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# RAILROAD JOURNAL.

STEAM NAVIGATION, COMMERCE, MINING, MANUFACTURES.

HENRY V. POOR, Editor.

SATURDAY, MAY 23, 1857.

Second Quarto Series, Vol. XIII., No 21 .-- Whole No. 1,101, Vol. XXX.

ESTABLISHED IN 1831.

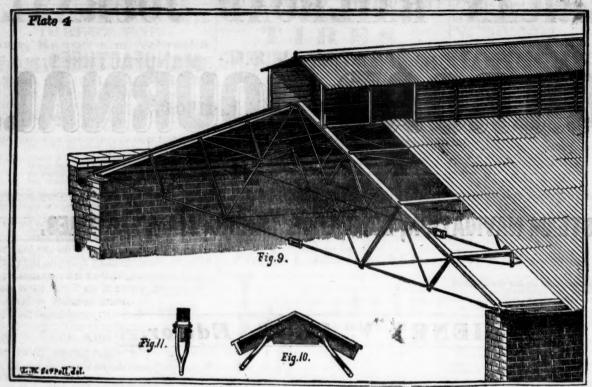
NEW-YORK:

PUBLISHED WEEKLY, BY

JOHN H. SCHULTZ & CO.

Front Room, Third Floor,

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Plain sheets are prepared to lay on boarded roofs (such as have had tin coverings) by making a flute on the side so as to fasten to a wood roll, reaching from ridge to eaves and pisced between each tier of sheets, see figs. 6 and 8 below. The transverse joints are secured as shown by fig. 7.

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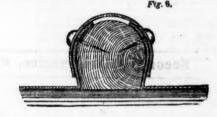
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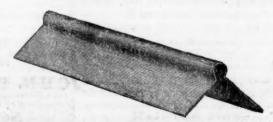
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[WHOLE No. 1,101, VOL. XXX.

MESSES. ALGAR & STREET, No. 11 Clements Lane, for the Journal

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# American Railroad Journal.

PUBLISHED BY J. H. SCHULTZ & CO. No. 9 SPRUCE ST.

New York, Saturday, May 23, 1857.

### Southern Pacific Railroad.

The Legislature of Texas, on the 16th of Feb'y, 1852, created a corporation called the "Texas Western Railway Company," authorized to commence a railroad "at a suitable point on the eastern boundary line" of the State and running to El Paso on the Rio Grande. By the last Legislature the name was changed to the "Southern Pacific Railroad Company," and the charter then amended. In the amended charter of this corporation is a most liberal provision, granting, on the completion of 25 miles, or more, of railroad, sixteen sections of land, of 640 acres each, for every mile completed and put in running order. It is also provided that when the railroad, or any branch thereof, shall pass through any public lands, all such lands, to the distance of three miles from the extension line of the track on each side thereof. shall be reserved for the State, from and after the time such track shall be fixed or designated by survey, recognition, or otherwise; and the said lands, as the road is constructed, shall be divided into sections fronting one mile on the road, plainly marked; and to these reserved lands the Company shall have the right, by virtue of any of the certi-

ficates issued in accordance with the provisions of the country along the whole of the proposed line. this act, to cause to be located, surveyed, and patented for their use, each alternate section; such section in each instance embracing a tract of land fronting one mile on the road, pursuing an equal width; and the remaining sections shall continue the property of the State until disposed of by the Legislature.

In addition to these grants, is one of road-bed 200 feet wide through the public lands, and as much more as may be needed for depots, stations, etc., and a loan from the State for ten years at six per cent. of \$6,000 per mile for every mile constructed after the completion of ten miles and the grading of ten more, on condition that the road connect with some railroad coming from an adjoining State; otherwise, 25 miles must be finished and 25 more graded before the loan can be obtained.

Under this charter, a company has been organized and a Board of Directors chosen, who have in the first Annual Report set forth the condition and abstract of this document.

After giving the terms of the charter, a computation is made from which it appears that on the completion of every section of five miles the company receives 5,120 acres per mile, or 25,640 acres, which, at \$5 per acre, is worth \$128,200. On the completion of 10 miles, and the grading of 10 more, they will be entitled to a loan of \$60,000, and on the completion of 25 miles, to 10,240 acres per mile, or 256,000 acres, worth, at \$5 per acre, \$1,280,000. To secure this land grant and preserve their charter, 20 miles of the road must be graded and furnished with cross-ties before Feb'y 16th, 1858, or rather April 16th, 1858, the charter under a general law of Texas not taking effect for 60 days after its approval by the Governor. No fear is felt of non-compliance.

The causes which have induced Texas to make changing rivers, the expense of transportation of ten years to be in the same ratio as for the last ten

this enterprise seems likely to develop new regions of great value to agriculture and commerce.

The railroad system of the United States seems to approach the eastern boundary of Texas, as feeders, as it were, to this contemplated thoroughfare. On the completion of the Cairo and Fulton, and the Mexican Gulf and Henderson railroads, a connection will be formed between the Southern Pacific, and the system leading to the Atlantic and North-western States, at Cairo, the terminus of the Illinois Central railroad. Other connections, with about 1,200 miles of southern roads are also at the point of completion.

During the last 10 years, the population of Texas has increased 400 per cent. If it continues in the same proportion, at the end of the next 10 years, it will amount to 8,000,000. The main work of the company is designed to extend across the State not far from 32°, with a branch to Fulton, Arkansas, so as to command northern traffic. The distance to El Paso is 783 miles. Supposing prospects of the scheme. We give below a full the belt between 31° and 34° to receive threefourths of the estimated immigration in ten years, or 1,800,000,-this, added to the present population of that section, 300,000, amounts to 2.100.000 at the end of 10 years, a population almost equal to that of Georgia, Alabama and Mississippi in 1850. The following table is given:

	Popu-	Sq.	No. bales
	lation.	miles.	of cotton.
Georgia	906,185	58,000	499,091
Alabama	771,623	50,722	564,619
Mississippi	606,526	47,151	484,292
	2.284.334	155.873	1.548.002

Supposing 2,100,000 in Texas to produce as much cotton as was produced in 1850 in the three States above named, and that the freight on this will be but \$2 per bale, this will yield an annual income of \$2,064,002. Estimating the consumption of the people at one-half their production. so liberal offers to railroad companies were from and the freight one-fourth, this will give \$516,000 the impracticability of navigating the constantly yearly. Supposing the immigration for the next products to market, and the desire to increase the years, this will give 240,000 per annum. Assumwealth and resources of the State by inducing im- ing it at two-thirds, or 160,000, and that threemigration to its fertile districts. Considering the fourths of this number, or 120,000 pass over 200 mildness of the climate, fertility of soil, variety of miles of railroad; the revenue from this source, at products, and the inexhaustible mineral wealth of 5 cents per mile, would be \$1,200,000 yearly.

When the increase of population in the Western surplus, after paying for the road, of \$25,458,462. States is considered, these estimates do not appear extravagant, especially as Texas is the only remaining great body of unoccupied cotton land within the limits of the United States.

The commerce of New Mexico is estimated at \$5,000,000, which on the completion of this road to El Paso will pass over it. Making the same estimate as in regard to the transport of cotton in Texas, and this commerce will yield a yearly revenue of \$978,750. The travel to and from California will also seek this channel. The average time required to make the passage from New York to San Francisco by the Isthmus is 25 days and the expense \$200. When this railroad shall be completed to El Paso, the time and expense may be thus stated:

	Ti	me.	Exper	ıse.
Average time to the eastern terminus of the Southern Pacific Railroad Passage on the railroad to El		HRS.	\$25	00
Paso	1	8	40	00
From El Paso, by stage, to Tiburon, on the Gulf of California, 400 miles, at 10	2		40	
cents per mile From Tiburon to head of the	3	8	40	00
Across Lower California, 60	0	13	4	00
miles	0	12	6	00
To San Francisco	2	00		00
	12	17	\$125	00

The lowest estimate of the number of persons passing to and from California is 50,000 yearly. This number, at 5 cents per mile, would pay \$3, 915,000. The mails, at \$300 per mile, \$234,900. At El Paso, the road strikes Chihuahua, one of the richest States in Mexico, with a population of 150,-000 and inexhaustible mineral resources. It is not an extravagant calculation to estimate the revenue of its commerce and passenger traffic at \$1,957,-500 yearly.

## RECAPITULATION.

Freight on 1,032,001 bales of cotton estimated to be transported one hundred miles, at \$2 per bale	2.064.002
Eestimated freight on merchandise for	-,,
the supply and consumption of the	
country, including all kinds of imple-	
ments for agricultural purposes, con-	
sidered as one-third the freight on	
produce	688,000
Estimated revenue from immigrants per annum, after two hundred miles of	
railroad shall have been completed	1,200,000
Estimated revenue from traffic with	
New Mexico	489,375
Estimated revenue from 50,000 passengers to and from California, at 5 cents	
per mile	3,915,000
Transportation of mails at \$300 per	
mile on 783 miles	334,000
Estimated traffic with Chihuahua, in-	
cluding passengers	1,957,500
-	
All these items make up an aggregate	

the probable income of the railroad when completed to El Paso, on an estimated expenditure of \$14,631,138. If we deduct one-half this gross income for superintendence and repairs, we have \$4,556,938 50 as the net earnings of the road per annum, or a revenue of more than thirty-three per cent. If we estimate the land grant of 8,017,600 acres for 783 miles of railroad, at \$5 per acre, it will produce a gross sum of \$40,089,600, and a

sum of.....\$9,113,877

According to the estimate of the Engineer the first section of 20 miles will cost \$18,686 per mile, or \$411,092 in all. Estimate of business for the

60,000 bales of cotton, at 50 cts				\$30.000
Merchandize				
50,000 immigrants, at \$1.10				55,000
U. S. Mails, at \$300 per mile				6,600
Total			. 9	121,600
Deduct for repairs, etc				

Net revenue . . . . . . . . . . . . . . . . . \$100,000 The land grant for this section is 256,000 acres which at \$5 gives \$1,280,000.

So far, this railroad has been looked at in the light of a self-sustaining enterprise. Under the charter, however, the company will be entitled to 10,240 acres of land for every mile of railroad completed and put in running order. At the moderate estimate of \$5 per acre, this will yield \$51,200 for every mile completed, or \$32,514 more than the estimated cost of completion. Comparing the value of the lands in Texas with those along the line of the Illinois Central railroad, before its completion, and the inducements for settlement are greatly in favor of the former. The Illinois Central received 3,840 acres per mile, the Southern Pacific 10.240. The Illinois Central paid a tax of 7 per cent. The Southern Pacific pays no tax, and receives a loan of \$6,000 per mile. The total amount of land granted to the Illinois Central was 2,595,000 acres for 704 miles of road. The Southern Pacific will receive for 783 miles, 8,017,920 acres. To March 19th, 1856, the Illinois Central cost \$20,374,446, or \$28,940 per mile. The estimated cost of the Southern Pacific for 783 miles is \$14,631,138, a difference in its favor of \$5,743,308.

By the Gadsden Treaty, the northern part of Sonora and Chihuahua, some 29,000 square miles, from El Paso to the Colorado 550 miles, was ceded to the United States. According to statements of Hon, Robert R. Wilson, Judge of the Sacramento District, California, and corroborated by H. G. Ward, Esq., Chargee of Great Britain in Mexico. the silver mines of this region abound in silver. Copious extracts from the works of Messrs, Wilson and Ward are given in the report, to which we can only refer the reader. The opening of this railroad will give a very strong impulse to mining and other pursuits in this region. It is computed that the quantity of silver to be found there is equal in value to the gold of California.

Besides these sources of traffic, the vastly increasing business between England and Australia requires increased facilities. The voyage from Liverpool to Sidney via overland route and Red Sea now occupies 85 days. The estimated time for the same voyage via Panama is 55 days. Supposing this railroad completed, we should then make the trip as follows:

Liverpool to New York, 3,100 miles . . 10 days New York to San Diego, by railroad, 2,913 miles.... San Diego to Sidney in Australia, being less than twice the distance from Liverpool to New York, and over a calm ocean, in a mild climate, can certainly be accomplished in twice the time . . . . 20

showing a saving of 20 days, as compared with the route via Panama.

The voyage from Liverpool to Shanghae would be performed in 37 days, instead of 65 as at present.

Looking at the probable revenue from California, we find a population in the State and Territories immediately dependent on this road of 850,000 souls. The produce of California since 1849 has been more than \$60,000,000 annually, and the exports \$50,000,000. The imports have equalled the exports. The value of exports from the Mexican States is about \$11,000,000, Oregon and Washington Territories about \$3,000,000, total \$64,000,000 annually, or equal to the whole export of the United States in 1796, while the tonnage employed on the Pacific coast is 600,000, or equal to the whole registered tonnage of the United States in 1823. The cost of freight from New York to San Francisco via Panama is about \$125 per ton. If this railroad were completed, it would not be above \$60 per ton. This reduced cost, together with the saving of time, would throw the entire transportation of package goods to the Pacific upon this

The estimates already given of the cost for 783 miles from Eastern Texas to \$25,000..... Colorado to San Diego, 260 miles, at 14,450,000 \$25,000.... 6,500,000 Extension to San Francisco.....

Total estimated cost of entire work ... \$43,581,183

The Report then gives copious extracts from the Report of the Secretary of War, Feb'y 27, 1855, showing the favorable nature of the country through which this line will pass, and the results of the surveys already made, and concludes as follows:

The extensive plains of the central regions of the continent will, as soon as the railroad shall be finished, supply, not only to the mining districts in their vicinity, the necessary supplies for subsistence, but will also produce a very large amount of traffic in the form of wheat, flour, beef, pork, cattle, horses, sheep, hogs, hides, tallow, bacon, and the almost innumerable products of a fertile soil and industrious people, situated midway between two oceans and perfectly accessible to both at a shorter distance, from the centre, than it is from Chicago to New York.

The State of Texas has chartered several railroad companies whose works commence at various points on her Gulf coast, and will extend in various directions to the interior. Two of those works it is believed will, at an early day, connect with the Southern Pacific road. They are the Houston and Red River railroad and the Mexican Gulf and Henderson railroad. The former, as its name implies, is intended to extend from the city of Houston on Buffalo Bayou to Red River, in a line almost due north. The latter to commence either at Bolivar Point, near the city of Galveston, or at Sabine Pass, and extend via Henderson to the town of Fulton, on Red River, and opening a communication with the North-west through the Cairo and Fulton railload. The latter company, it is understood, is composed of large capitalists, who are resolved to push their work to an early connection with the Southern Pacific railroad.

There is also a railroad in progress from a point on the main land opposite to the city of Galveston, which is designed to extend to the interior. It will therefore be seen that the Gulf, or commercial connections of the work of this Company are amply provided for, and likely to be finished at an early day.

The following is the General Balance Sheet:

LIABILITIES.	S GA
Liabilities for Stock issued \$2,018,75	5 80
Bills payable, for 1,000 tons of Iron,	
	11 48
Due for work on the road, etc., etc 28,67	6 54
\$2,119,76	33 82
ASSETS.	
Balances due by Agents\$75,89	97 90
Notes secured by bonds and mortgages. 380,00	00 00
Lands 40,00	00 00
Stock in other companies	00 00
Stock used as collateral, to be returned. 149,00	00 00
1,000 tons railroad iron on hand 75,00	
Bills receivable 1,55	29 09
Cash on hand 10,08	39 04
Survey to Pacific Ocean; Construction	
Account; Engineering Account, and	
all other expenses923,20	79
\$2,119,76	33 82

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St. Louis Steam Forge and Iron Works.

To the enterprise of Messrs. Robertson & Lowe, St. Louis is indebted for the establishment of a forge on a somewhat novel plan. It is situated on the south-east corner of Main and Cedar streets, and a careful inspection of its simple and ingenious machinery will well repay the visitor curious in the modern improvements in the mechanic arts. the modern improvements in the mechanic arts. Yesterday morning we took a hasty glance at the interior economy of this entertaining forge, which is as yet carried on under a capacious wooden structure, erected temporarily by its proprietors, and to give place, as the business justifies it, to a more permanent and substantial building. The principal feature, and the one which distinguishes this from any other iron manufactory in the city, is the fact that all the products of this forge are the results of the conversion of refuse iron into useful and valuable portions of machinery. odds and ends that are scattered in the yards and alleys, and thrown away as useless—pan handles, old rings, broken skillets, fragments of locks, gridirons, regarded generally as rubbish, are picked up by the rag-picker, sold to Messrs. Robertson & Lowe, for an inconsiderable sum, and by son & Lowe, for an inconsiderable sum, and by the magic of their machinery are converted into bars, and fitted by the usual processes for car axles, rails, cranks, shafts, beam straps, cross heads or any of the various forgings which are used by machinists for the construction of locomotives, steamboats, sugar mills and tobacco manu-

In a corner of the establishment a vast heap of fragments of iron materials is collected together in a heterogeneous mass, and from this mass quantities are selected and arranged on boards about a foot long and half a foot wide, and placed in shape for exposure in the furnace. Into the furnace, heated to an intense white heat, the contents of one of these boards is introduced and by the action of the heat the miscellaneous fragments are welded together, and the collection presents the precise shape in which the furnace receives it. As soon as it is thoroughly exposed and fitted to be wrought into the required form, it is taken from the furnace and placed on the block or anvil under one of Nasmyth's patent forge hammers, and there is beaten into a huge, thick, square mass, which is laid away, to be subjected to whatever subsequent rocess may be required to adapt it to any of the various purposes of the arts. The hammer weighs 2,500 pounds and is moved by steam, under the controlling influence of one man, who by the simple of the state of th plest and most delicate machinery, demanding for its working a very slight effort of one hand, can direct every blow with an accuracy and definiteof force which will enable him to sharpen a ness of force which will enable min to sharp a mass of iron a foot cold chisel or beat into shape a mass of iron a foot in thickness. The steam which furnishes the motive nower of the hammer is generated by the heat pany for the fiscal year ending 30th Sept., 1856. tive power of the hammer is generated by the heat escaping from the furnace in which the iron is heated into that place beneath the boiler, so that, in fact, the steam power is made to cost comparatively nothing. The quantity of steam in regular use is 60 pounds to the square inch.

We have given but a meagre description of this due November 18, 1858.

entertaining establishment, which may be said to be yet in its infancy, but which promises to be successful. A similar forge was once before erec-ted here, but without proving profitable, and after a short trial was abandoned. The one which we visited, yesterday morning, bids fair to be a com-plete success. Its entire economy is thoroughly understood by these who have critically indeed in the understood by those who have established it, and it is under the superintendence of a very capable man in the person of Henry Ames, Jr.—St. Louis Republican.

Wilmington and Weldon Railroad.

The twenty-first annual meeting of the Wilmington and Weldon Railroad Company was held at Wilmington on the 13th of November last, at which the reports of the President and Directors and Superintendent and Engineer were presented to the stockholders. '~

The following statement exhibits the earnings and expenditures of the Company for the year Croix River-180 or 195 miles, according to the ending September 30, 1856:

Receipts from—	
Through passengers	8
Way do	
Freight	
Transportation of mail and other	
sources 50,984	7
	_
\$475,893	6
Expenditures—	
Transportation Departm't. \$186,694 27	
Department of Road Re-	
pairs 70,767 57	
Salaries	
Incidental Expenses 2,694 92	
273,895	7
	_

2 4	Incidental Expenses 2,694 92	273,895	70
1	Leaving this amount, after deducting expenses from receipts	\$201,997	94
2	the fiscal year, say on the 1st October, 1855, we		
	had on hand cash and		
,	The second secon		
)			
•			
3	Received this year for land		
	sold		
-	vestment in Bonds State N. C 480 00		
£		103,630	22

Making a total of\$305,628	16
The amount of disbursements as	
shown by the Treasurer's state-	
ments, are\$316,670	02
From which deduct the above sum 305,628	16
And we have this difference\$11,041	86
Which sum is an increase on the	
Company's debt. By reference,	
however, to said accounts of the	
Treasurer, it will appear that the	
aggregate amount of the Comp'y's	
assets, on the 30th September,	
1856, were\$3,087,433	03
While on the 30th September, 1855,	00
as the published proceedings of	
as the published proceedings of	

I	Showing a difference in favor of the present year of	\$63,982 11,041	
	And the difference	\$52,940	3

The receipts of the company derived from the

transportation of articles via the North Carolina railroad to the amount of \$42,000 have been set aside as a sinking fund for the payment of debts

The stockholders voted to authorize the Direc tors to make a preliminary survey of a route for a branch railroad from Fayetteville, a connection with which, it is believed, would be of great-benefit to the company.

The Report of the Superintendent and Engineer contains a full statement of all the operations of the company during the year, with valuable suggestions for the increase of the business and increase of the road.

### Milwaukee and Horicon Railroad.

The Directors of the Milwaukee and Horicon Railroad Company have issued a circular, containing a full statement of their scheme for obtaining \$1,250,000 additional stock subscription, to be applied to extending their road from Stevens' Point, on Wisconsin River, to Lake Superior, on the St. route. We give the leading points of the scheme, in the language of the circular :-

The district of country to be penetrated by this projected section of the road has an area of over 25,000 square miles—the land is almost entirely owned by the United States-it is one of the richest and most attractive sections of Wisconsin, having unsurpassed agricultural, mineral, lumbering, and manufacturing resources, and a remarkably

healthy climate. The plan for extending the road through this section of the country and conferring to a large extent upon the stockholders the benefits created by their capital, expended in the construction of the road, is as follows: The company propose to purchase of the United States one million acres of land at \$1.25 per acre, to be selected along and as near to the route which shall be adopted to be occupied by the railroad, as first quality lands can be found, purchasing none but the best and most valuable land in the country. One-half of this land will be used by the company to build the railroad and the other half will be set aside, for a specified length of time, to purchase from the hold-

ers one-half of the additional stock. After the land is purchased, and the line of the road located, the land will be divided, as near as may be, into 80 acre tracts, reserving in all cases to the company Right of Way, 100 feet wide, and also at stations sufficient Depot grounds. Then all lands suitable for that purpose will be laid out into Town and Village Lots. For each and every \$200 paid in by a subscriber to the additional stock he will receive two full paid shares of the capital stock of the Milwaukee and Horicon Railroad Company, one of them to be the ordinary full paid stock and the other *privileged* stock, to be pur-chased by the company and paid for in land, pro-viding, the owner shall elect to so dispose of it under the regulations prescribed by the company, otherwise to remain an investment in the stock the same as other full paid shares. The arrangements will be such that the owner of each and every share of the privileged stock, will be offered for the same, by the company, an 80 acre tract of land, or such other quantity as may be obtained by the company for \$100. In making the offer of land for stock the company will, by some fair means devised by them, so arrange matters that any tract of land to the amount of 80 acres, or such other quantity as may be obtained for the sum of \$100, last year will show, they were .... 3,023,450 86 may be offered for any one share of the privileged stock. In other words any one holding a share of the privileged stock may be offered for the same any one of the tracts (80 acres as near as may be) however valuable, and at the same time it may so turn out that one of the least valuable tracts may be offered him; one thing however is guaranteed, no partiality or favoritism will or can be shown in

any case.
One-half of the additional stock will be reserved a reasonable length of time for the present stock-

The land to be purchased by the Milwaukee and Horicon Railroad Company must be much more

valuable per acre than the La Crosse and Milwaukee railroad grant, for the reason, that while the land itself is as good in every respect, the Milwan-kee and Horicon Railroad Company will not be limited to the odd sections, but will have the whole body of the Government lands to select from and will not be compelled in any case to go farther than 5 miles from the line of the railroad to secure 1,000,000 acres of all first-rate land. But it is not necessary to fall back on the many advantages which this project will possess over any government land grant scheme. It is sufficient for present purposes, to place the matter of value of land on an equal footing with the land of the La Crosse and Milwaukee railroad company to show the merit of this plan for building the road, and en-riching the stockholders. We will therefore place the value of the lands at the La Crosse estimate or \$17 per acre and the account stands thus:

1,000,000 acres of land at \$17 per acre.\$17,000,000 500,000 acres offered holders of privi-8,500,000

500,000 acres balance to Co. to build \$8,500,000 road .... Cost of road 185 miles a \$25,000 .... 4,625,000 Surplus for contingences ..... \$3,875,000

Add present resources of company over and above estimated cost of road to Stevens' Point.... \$500,000

Total surplus for contingencies.... \$4,875,000 which will be the property of the stockholders and subject to their order after the road is built.

The design of the company is to buy 1,000,000 acres of land, but the quantity may be more or less, depending upon the amount subscribed to the additional stock. It is not the intention of the company, however, to allow the amount of the sub-scription to the additional stock to much exceed a million and a quarter dollars. It may also become the interest of the company to buy land belonging to individuals, or otherwise, at a higher price than \$1,25 per acre, in order to secure the full benefit of Town sites, Mill sites, Mines, &c., or to purchase "graduated land" at a lower price, in which case the company will do so; applying the same rule in the division of the land as in the case of buying all government land at \$1,25 per acre, that is to say the whole amount expended, in dollars, divided by 100, will represent the number of pieces of equal size, into which the land shall be divided before offering to the holders of the privileged stock land for the same.

If the United States government should grant to the company alternate sections of land to aid in the construction of the road, before these lands are purchased, then the best selections from the remaining sections will be bought, in order to carry out in spirit all that is contemplated by this pro-

The company is fully authorized by the charter, and amendments thereto, to purchase, hold and convey real estate; in short, to do all things con-

templated to be done in this matter.

The line of the road will not be located till the lands are selected and purchased, consequently its route will be a secret which cannot be divulged till the lands are secured, and no director or offi-cer of the company will be allowed to avail himself of any advantage which his position might afford for entering lands upon the line of the road previous to the selections being made for this pur-

When the lands shall have been purchased and the division made into 80 acre tracts, and numbered as contemplated to correspond with the num-bers of the shares of the privileged stock (which numbering will be conducted so as to give to each share its proper opportunity of having its number correspond with the number of any tract) notice will be given to the holders of the privileged stock by advertisement in three papers of the largest circulation in New York, three in the city of Mil-waukee, and the papers published in Horicon, Ripon, Berlin, Plover, Stevens' Point and Wausau

for three months, that the company will at any time purchase of the holders the shares of privi-leged stock, should said holder elect to sell the same within three months after the publication of said notice by surrendering at the office of the company the certificate of stock, and receive in payment of the same the tract of land numbered to correspond with the shares of stock. Should holders of the privileged stock neglect or refuse to sell their stock and receive in payment for the same the lands specified, within the three months named, the offer by the company to purchase will be withdrawn, and the privileged stock not purchased by the company will then cease to be privileged stock, and remain the same as any other full paid stock in the company, and subject to all rights, privileges and liabilities of any other full paid stock.

We understand that the Company have opened an office in this city, at No. 47 Exchange Place. where subscriptions can be made.

The road is already completed 82 miles in the direction of Stevens' Point, and there are 65 miles yet to be finished to reach that place, on which the work is progressing rapidly. So far as completed, it is doing a good business. It is expected that a section of 11 miles, connecting the road with the navigable waters of the Fox and Wolf Rivers, will be completed in July.

### North Missouri Railroad.

The annual report of the Directors of the North Missouri Railroad Company, presented by Isaac H. Sturgeon, President, shows the amount expended for the eleven months ending March 1st, 1857 to be \$1,027,487 65—expended previously \$1,824,346 97—total \$2,848,834 62. The expenditures for March, 1857, are estimated at \$65,000.

Owing to dilatoriness in payment of subscriptions, the work has not progressed so rapidly as the means at the disposal of the company would allow,-the State loan being dollar for dollar on the subscription payments. It is hoped, should the State credit improve, that the road will be completed from St. Louis to Warrenton (58 miles) by June 1st, to Mexico (107 miles) in October, and to the junction with the Hannibal and St. Joseph Railroad (167 miles) in one year.

From the junction to the State line is 61 miles. The State has loaned \$1,000,000 to be applied to this part of the road, though no work has yet been commenced upon it. This is a most important portion of the line, as it will connect, at Bloomfield, with the road across Iowa from Fort Madison on the Mississippi to Fremont county on the Missouri, through Ottumwa on the Desmoines river .and connecting then with the whole railroad system of Iowa.

Since the last annual report, a change in the arrangement for constructing the road has been made, the contract with Messrs. Sanger, Stuart and Truesdale having been dissolved. Although a suit has been brought by them against the company, no loss is anticipated.

The present means of the company are from subscriptions by counties and individuals to the capital stock ......\$1,848,700 00 of the company ....

To which may be added the subscription voted by the county of 750,000 00 St. Louis, and not yet accepted ..

\$2,598,700 00 The amount of State credit granted is..... 5,500,000 00

All of the State credit granted is applicable to the construction of the road south of the junction with the Hannibal and St. Joseph road, except one million of dollars.

The estimated cost of the road to the Hannibal and St. Joseph road,

including interest and discount is . \$7,112,508 70

The Company's means applicable to this portion of the road are as follows:

State credit originally granted on the basis of dollar for dollar .......\$2,000,000 00 Additional State credit to purchase iron and rolling stock for the road between St. Charles and the juno-

tion ..... 1,000,000 00 State credit granted at last session, to be delivered on condition that the Company expend from its own means sufficient to make the bonds amount to par in building the road 1,500,000 00

St. Louis City and County subscription .... Individual subscriptions in St. Louis 1.750,000 00

city and county, and other county and individual subscriptions, say,. To which may be added the subscriptions and lands donated in consideration of the location of depots, but the amount is not now taken into consideration, as the value of the lands is not known...

Total means .... \$6,998,200 00

To complete the road to the junction, \$113,808 70 are needed. The means to complete it to the State line remain as before. Adair and Schuyler counties have voted to increase their subscription to \$100,000 each.

A liberal subscription may be looked for from Macon county. Steps are now being taken to that end, and it is expected she will place her subscription on an equal footing with that of the counties of Schuyler and Adair.

Schuyler and Adair have subscribed \$50,000 each .... \$100,000 00 Supposed additional subscriptions, 100,000 00 \$50,000 each .... 100,000 00 Macon county, say... The State has granted its credit to this portion of the road, on condition that Company shall expend one dollar for every two expended . 1,000,000 00 by the State.....

\$1,300,000 00

748,700 00

Excluding interest and discount, this portion of the road will, it is calculated, cost, complete and equipped with rolling stock ........ 3,287,191 85

From the above it appears that \$2,000,000 addi-

tional of State aid will complete the road to the Iowa State line.

That portion of the road already completed from St. Louis to St. Charles, shows an excess of receipts over expenditures of \$5,511 83. Rails sufficient for 70 miles of track beyond St. Charles have been purchased, and several miles laid. The Directors express "their belief that, considering the additional means which have been put at the command of the company by the liberality of the State, the prospects of the road are highly encouraging. It only requires that the work on it should be prosecuted as energetically as prudence, in view of possible sacrifices will permit, in order to fully realize the hopes and wishes of the citizens of St. Louis and Missouri in respect to your road—a road which all must agree yields in importance to no \$8,098,700 00 other road in the State,"

# Railroads in Massachusetts.

Railroads.	Cost.	Miles.	Cost , per mile.	Gross Receipts.	Current Expenses.	Net Receipts.	Divid.	Receipts from Passengers.	Receipts from Freight.	Miscel- laneous.	Earnings per mile.	Per cent. of Gross Earnings.	Do. Net Earn's.
Boston and Worcester Boston and Lowell Faunton Branch Boston and Lowell Nashua and Providence Eastern New Bedford and Taunton Nowich and Worcester Fitchburg Boston and Maine Stoughton Branch Connecticut River Fall River Levil and Lawrence Lowell and Lawrence Stoughton and Massachusette Peterboro' and Shirley Cape Cod Cheshire Dorchester and Milton Bassx Worcester and Milton Bassx	\$4,650,392 2,013,687 3,011,006 3,579,894 5,000 9,900,153 4,99,965 2,187,829 3,571,829 3,571,829 3,571,832 1,145,983 1,145,983 1,145,983 1,145,983 1,145,383 2,080,903 2,080,903 2,080,903 1,905,446 1,905,446 1,905,446 1,010,537	262 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	70,345 77,5665 27,735 63,679 48,377 34,500 63,462 23,808 37,081 37,081 37,081 24,262 24,208 27,283 27,283 27,283 11,119 18,748 35,396 18,748 18,748 35,112 22,386 37,391 18,748 35,118	716,284 461,389 108,101 354,375 479,157 169,187 1,332,068 128,073 486,265 511,627 23,699 166,242 1184,344 227,350 28,319 1193,844 20,744 63,000 Fitchburg. 35,636 Incomplete. 86,638 Incomplete. 86,636 Incomplete. 10,607 It,865	381,017 268,707 73,974 183,362 230,833 109,599 652,357 80,964 2286,044 2286,044 2286,044 2264,634 17,619 50,685 75,467 17,467 83,890 13,711 Incomplete. 14,956 75,468	334,367 192,631 34,127 171,013 248,324 59,588 679,711 45,187 125,280 200,219 247,093 6,080 (114,657 74,953 77,093 6,080 (114,657 74,953 7,032 7,032 7,032 87,757 10,851 10,851 10,851 10,851 10,857 11,857 11	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	332,886 201,218 64,016 231,262 378,068 72,688 511,082 11,00,271 220,198 332,161 11,860 88,637 118,391 17,286 17,233 14,658 117,286 17,233	359,073 255,147 42,190 112,187 58,149 92,195 745,909 42,236 99,960 11,506 11,506 11,506 11,508	24,325 1,992 10,992 10,992 42,939 45,124 35,120 2,149 17,841 17,841 5,389 2,289 2,541 2,352	10,801 16,630 1,6630 16,475 11,667 11,667 11,667 11,667 11,639 11,530 11	15.38 25.4 36.4 37.4 11.8 38.4 11.8	7. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
Total, 1848	47,091,666	1,035.93	36,843	5,922,299	3,052,946	2,722,177	:	3,169,241	2,483,616	149,596	6,095	14.95	6.186
Boston and Worcester Boston and Lowell Taunton Branch Boston and Providence Eastern New Bedford and Taunton Norwich and Worcester Boston and Maine Stoughton Branch Connecticut River Fall River Pritsfield and North Adams Pritsfield and Worcester Lowell and Lawrence Vernont and Maseschtsetts Peterboro' and Shirley Category Cate	4,908,332 1,945,646 3,370,270 3,511,761 600,000 8,185,788 4,984,067 3,984,067 1,146,008 2,292,400 467,543 1,146,003 2,292,400 467,543 1,146,003 3,446,791 1,381,666 321,598 3,445,791 1,381,657	155 24 4 5 5 1 1 2 2 3 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3	71,915 70,116 27,863 63,690 63,690 48,807 41,386 52,473 23,108 35,517 24,272 26,071 48,463 58,463 58,463 58,463 58,463 58,463 58,463 58,463	703,361 416,488 304,331 507,928 318,439 228,197 228,197 226,046 31,858 217,066 31,858 217,066 31,858 217,066 31,858 217,268 42,532 165,117 61,282 172,106 498,060	406,551 266,287 169,004 169,004 169,004 169,004 114,869 119,712 285,722 111,833 101,231 30,168 115,407 31,146 61,030 255,160 36,006	297,810 150,200 23,854 184,426 308,242 56,978 465,738 465,738 4,022 94,022 94,022 96,330 119,524 116,022 112,864 29,710 20,136 111,076 287,900	0 8 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	330,000 177,789 225,640 225,640 404,071 67,097 839,861 839,861 104,338 932,214 4,755 102,638 184,669 187,12 115,712 11	331,338 230,174 42,848 119,442 70,402 79,737 459,365 46,974 168,974 168,974 168,974 168,974 168,974 169,921 14,972 16,974 16,974 17,972	41,417 6,528 9,765 9,705 29,131 2,038 17,654 17,654 34,764 17,830 7,002 17,830 3,894	10,616 0,685 0,685 0,685 10,788 10,788 10,788 10,788 11,969 11,961 11,96	7. 14.07 2. 10.03 2. 10.	0 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Total, 1849	48,898,993	1,046.588	41,028	5,938,870	8,294,862	2,573,951	:	8,159,724	2,481,964	245,520	6,780	14.02	6.66

# Railway Share List,

Compiled from the latest returns-corrected every Wednesday-on a par valuation of \$100.

NAME OF COMPANY.	L'ngth of Road	Capital paid in	Debt.	Total cost of road & equip't.	Gross Earning for last officia year.	Net Karnings for do.	Dividend for do	Price of Share	NAME OF COMPANY.	L'ngth of Road	Capital paid in	Debt.	Total cost of road & equip't	Gross Earning for last officia year.	Net Earnings for do.	Dividend for do
	140	2,494,000	3,874,576	6,868,576	565,168	110.047	8	75 14	Brunswick and Florida, Ga.		300,000	800,000		In progr.	141,168	8
ndroscog. & Kennebec	72	671,476 1,107,526	1,546,840	2,218,316 2,871,264	212,998 223,298	110,247	none		South Western Tennessee and Alabama	92 30		465,500		253,306 In progr.		
ortl., Saco, & Portam'th	51	1,396,400		1,359,378	264,180	112,491	6	86	Tennessee and Mississ.		170,931			In progr.		
oston.Conc. M. Mirellana	93 53	1,808,093 2,085,925	1,059,512 899,313	2,771,310 3,179,687	233,234 380,221	120,834 143,565	2	10	Memphis and Charlest'n Mobile and Ohio	217 153	2,179,440 2,568,555	2,127.002 1,802,921	4,028,790	311 631 199,932	159,572 109,236	
Loghira	35	1,500,000	8,242	1,412,576	335,949	136,454	6	36%	Miss. Central	188	642,534	none	628,303	In progr.	****	
oncord	82	2,768,400	none	3,016,633	870,529 162,687	138,299 55,173		37%	N.O., Opelousas & G.W Vicksb., Shrevep.& Tex	55	2,930,425 111,750	671,645 none		In progr. In progr.		
CHARLE P. SENSIBILITY AND THOUGH	61 120	1,048,145 2,233,876	787.608 2,662,396	1,780,062 5,378,428	894,971		nòne		East Tennessee and Ga.	111	1.000.000		2,500,000	In progr.		1
ermont Central	117	5,000,000	3,550,236	8,463,366	820,119	214,793 105,386		57%	East Tennessee and Va.	16	625,425	938,593		In progr.		none
ceton and Lowell	25 74	1,830,000 4,076,974	447,660 150,000	2,836,450 4,176,205	490,733 910,855	898,126		84	Nash. and Chattanooga Covington & Lexington	191	2,319,330 1,302,804	1,497,081 2,235,939	3,843,694 3,738,753			
oston and Maine	74	2,240,300	1,696,976	3,659,250		294,851	none	7 % 68	Lexington and Frankfort	29	430,055	158,099	637,071	93,263	43,635	6
toston and Providence	43	3,160,000	277,465 614,514	3,654,966 4,865,439	632,227 1,008,782	416,933		91	Lexington and Danville Louisville and Frankfort	65	694,444 698,236	52,734 669,061		In progr. 244,014	96,902	6
oston and Worcester	47	4,500,000 681,690	299,705	1,028,152	124,078	39,593	3	49.4	Atlantic & Gt. Western	254	866,939	77,294	613,231	In progr.		
onnecticut River	50	1,591,110	267,858	1,802,244 4,587,435	288,670 717,869	91,624 321,943		46%	Bellefontaine and Ind Clev., Col., and Cincin	118	1,881,635 4,547,020	2,025,925 122,857		298,293 1,290,295		
astern, Mass.	67	2,583,400 8,540,000	2,674,186	8,872,821	668,974	250,833		73	Cleveland and Toledo	200	2,675,425	2,689,301	5,124,629	736,272	396,986	
itchburg	21	500,000	none	541,580	168,925	27,827 305,140		85 %	Clev. and Mahoning	103				In progr. 581,877	309,518	
ld Copy and Fall Liver	77 69	8,015,100 2,232,541	260,100 1,019,148	3,362,949 3,241,975	683,357 259,671	52,267		7	Clev. and Pittsburg Cin., Hamilt'n & Dayton	60	2.153,900	3,043,992 1,321,213	5,537,466 2,987,757			
ermont and Mass.	155	5,150,000	5,839,080	10,495,905	2,117,982	889,763		96 42%	Cin., Wilm, & Zanesy'e.	131	1,120,450	1,131,265	2,326,459	In progr.		
	20	1,141,000	205,565 800,000	1,351,271 1,781,048	216,888 844,773	82,720 155,044		80	Columbus and Xenia Dayton, Xen., & Belpre	63		149,000 422,658		356,366 In progr.	187,518	10
roy'nce and Worcester	43 72	1,510,020 2,350,000	939,000		730,012	352,799	10	:18	Dayton and Michigan	140	1,076,602	393,011	1,185,826	In progr.		
antid Prov.and Fishkill	122	1,939,600	2,151,306	4,060,869	840,593	169,437 47,881			Dayton and Western Eaton and Hamilton	35		500,000 904,489	733,769 1,155,135		65,000	
	74 57	2,000,000 1,031,800	300,000 524,244	2,431,773 1,580,723	829,297 227,416	114,237	4000		Little Miami	65	454,690 2,963,921	1,171,785	3,648,172			
augatuck York and N. Haven	62	3,000,000	2,215,000	5,376,803	958,274	338,877		52%	Mad River and L. Erie	205	2,451,650	2,572,932	4,446,661			
	50	738,258	761,462	1,450,318	88,007 120,571	30,318 54, <b>5</b> 44			Central Ohio	138	1,520,927 2,451,700	3,485,076 3,219,000	4,283,443 5,670,700	1,111,626		
London W. & Paimer	66	\$10,500 2,122,300	1,052,000 873,489	1,594,383 2,597,153	304,236	88,458		30	Pittsb'g, Maysv'e & Cin	50	371,350	31,000	390,933	In progr.		
Shower Morthorn	32	439,005	1,625,098	1,840,695	117,716	9,904			Sand'y, Mansf. & New'k	127	1,350,000			328,958		none
	35	643,330 1,487,874	317,859 1,501,183	974,323 2,819,096	In progr. 172,476	66,333	none		Scioto & Hocking Valley Springf., Mt. Vernon & P	1130	1,000,000	509,050 950,000	888,858	In progr. In progr.		
iffalo, Corn. and N. Y I	92	798,439	2,537,849	3,401,868	288,392	31,896	none		Tol., Wabash & St. Louis	242	2,500,000	4,530,000		In progr.	****	
ffelo and St. Line	69	1,300,000	1,040,000	2,494,364	679,750	355,763			Cin., Log., and Chicago Evansv'e & Crawfordsv	255	4,196,679		2,080,438		64,552	
mandaigue and Editura-	98	1,315,000	922,393 2,279,854	1,275,796 3,495,832	174,089	69,506			Ind. and Cincinnati	88		1,177,596 1,442,859	1,844,541 2,178,461			
	35	687,000	506,689	1,187,562	135,433	48,649			Indiana Central	66	611,400	1,261,179	1,907,911	350,176	134,375	
	144	3,758,466	9,250,362	12,737,898 2,555,986	1,812,087 301,793	603,946 116,462		25 24×	Ind., Clev. & Pittsburg Jeffersonville	83 66	826,826 1,014,252	1,099,400 694,000	1,831,225	226,058 206,544	93,010 94,318	none
ong Island	95	1,875,148 24,136,661	14 769 807	98 599 913	7 773 060	4,097,867	8	86%	Madison and Indianapolis	87	1 647,700	1,336,816		286,146	112,880	none
			25,995,969	33,439,431	6,349,056	3,005,670 324,891	none	41% 16	New Albany and Salem Peru and Indianapolis	288		5,281,848 858.314	6,643,189	645,827 150,000	90,000	non
we Work and Hariemanna	100	5,717,100 1,633,022	4,069,769	8,758,203 5,470,714	520,153	135,754	none	1	Terre Haute and Ind.	73 73		604,355	1,502,166		189,702	10
orthorn, N. Y	35	396,130	215,545	723,683	146,191	77,083	3%		Chicago and Rock Isl'd	182	8,141,500			In progr.		
stedem and Wateriown	29	467,200	294,189		In progr. 241,149	82,600	none		Chicago and St. Louis Chicago, Burl. and Quincy.	58	1,639,100	1,684,736	2,884,622	1,077,312 722,580		20
ensselser & Saratoga ratoga and Whitehall	25 48	610,000 500,000	140,000 395,600	896,423	71,909	21,089			Central Military Tract	88	1,202,500	2,133,050	2,920,241	471,399	219,588	
racuse & Bingham'n.	80	768,369	1,578,804	2,272,777	159,484	22,503	none		Chic., St. Paul & F'd du Lac. Galena and Chicago	178	2,300,000 5,441,500			In progr. 2,315,786		000
ow and Boston	27 97	1,500,000	787,079	1,109,822 2,068,063	156,363	55,184 162,037	3%	75%	Illinois Central	627	2,271,050	19,416,392	20,374,446	1,532,118	527,952	
deidera Delaware	64	1,000,000	1,619,000	2,619,000	161,355	75,534	none	0000	Peoria and Oquawka	93	569,889	818,454	1,388,342	In progr.		
anden and Amboy	94	369,320	11,407,200 1,522,131	8,636,523 1,729,642	2,017,127 122,417	961,941 50,080		130	Ohio & Miss. (Wst.Div.) Terre Haute and Alton	173	1,780,295 2,281,420	8,292,403 1,256,000		Recently In progr.		
mden and Atlantic	30	3,482,850	690,000	4,310,011	910,637	509,921	10	125	Detroit and Milwaukee	185	838,000	1,128,964	1,966,969	In progr.		
Jersey Central	63	2,000,000	2,266,176	8,683,149	298,489	181,065	6		Mich. Central Mich. South'n & N. Ind		6,032,444		10,668,155 11,645,208	2,215,283	879,650 875,000	
neria and Kasea.	58	1,637,867	875,000 842,564	1,636,550	229,341 Recently	96,267 opened.			Green Bay, Mil. & Ch	155	764,075	442,726	1,193,766	In progr.		10
taw Wil & Erie	63	1,700,000	1,940,000	3,640,000	219,253	52 450			Milwaukee and Miss,	106	1,826,428		8,578,757	691,843	417,44	
	56	1,099,500	12,211	1,191,833	243,410	111,139 410,139		58	Milwaukee & Watert'n Milwaukee and Horicon		354,861 554,200	132,000	854,109	In progr. In progr.		
A LACK & WESTERS	20	8,292,772	150,000	750,000	810,708		10		Milwaukee & La Crosse	51	1,351,832	532,131	1.883.963	In progr.		
iled & Sunbury	83	600,000	1,200,000	1,348,812	89,535	53,335	9		Racine and Miss Hannibal & St. Josephs	47			1.289.321	III progr.		
ttle Schuylkill	101	2,606,100 3,051,865	546,222 731,492	3,407,651 3,287,678	353,301 74,388	255,930 11,796			North Missouri	19	292,351		1,824,346	In progr.		
TEMOTIS I COMME	256	12,646,625	8,516,841	18,483,489	4,724,603	1,732,146	6	93	Pacific	125	4,083,900		7,110,941	Recently	opened.	1
		11,030,309 5,600,000	7,438,800	19,004,180 7,979,466	3,913,742	1,944,722 503,399	10	81.4 45	St. Louis and Iron Mt Panama	49	3,743,000		6,564,852	In progr.	416.75	6 93
1 Come & Norrist'n	38	899,350	376,800	1,274,150	206,981	113,443	9	59.4							1	0. 07
A-A Connollsville	147	1,339,661	788,000	1,369,630	In progr.	40 500			U.	8.	GOVERN	MENT SI	CURITI	ES.		
nbury and Erie	78	3,676,030 1,500 000	878,560 2,192,364	2,075,650 8,464,454	105,860 503,500	40,500 253,500					D. ASKE				OFF	
timore and Ohio	382	13,105,600	9,670,491	23,031,507	3.711.453	1,601,090	3	55 X	Loan, 6 per ct1862_		et. Per	Loa:	n, 6 per ct.	coup's1	868 118	ct.
	200	1,650,000 2,600,000	25,000 8,835,995	1,000,000	869,229	124,981	0		Do. 6 do1867_	-118	3%		6 do. 1	ex. ind1	865107	X
Western Va	165	418,583	4,316,073	4,729,656	665,980 In progr.	301,980			Do. 6 do1868_	_118	3.4		*******			••
ange and Alexandria	97	1.437.683	1,006,484	2,754,047	276,639	111,863			-		STATE	SECURI	TIES.			
uth Sidettsb'g & Steubenville	123	1,371,700 1,221,277	1,489,012 280,000	2,739,362 914,695		138,822	none		Maine, 6 per ct1870_	_10			ana, Can.I	oan 6 per	rct	-
tab'g & Steubenville	138	3,000,988	1,597,081	4,184,516	In progr. 508,413	270,048	none		Massachusetts, 5 per ct. 1859.	9	8 99	D	o. do.	pref. 5	do	
rgima and Tennessee	149	3,157,158	2,068,027	5,469,780	322,048	165,076			Do. 5 stg New York, 6 per ct. 1860-62.	-10	0 101	Kei	itucky,6 pe	rct.cp.18	69-72-104	
chmond and Danville	140	1,975,020 786,100		3,200,000 1,148,054	421,762 151,947	215,011 73,234			Do. 6 do 1864-65.	10	3% 108 5 108	Mai	yland, 6 d	lo cp.18	70-90_108	136
ichmond and Danville	130	1,000.000	730,506	1,708,169	232,172	120,212	7		Do. 6 do. 1866-67.	10	7% 111		Do. 5 d	lo. cp		
etersburg and Roanoks	63	769,000		1,009,115	263,874	123,661	4		Do. 6 do. 18:2-78.	-11	4 118 0% 101		souri, 6 d	o. cp.	1872 82	14
orth Carolina	228	1,115,402	993,000	4,235,000 2,330,877	Recently 844,636		none		Do. 5% do. 1860-61. Do. 5% do1865.	10	1 102		larolina,6 d	10.	1856100	73
aloigh and Gaston	97	978,300	100,000	1,135,451	173,923				Do. 5 do 1868-60.	9	9 100	)% D	0. 6	10	800104	1
aleigh and Gaston harlotte and S. Carol reenville & Columbia	109	1,201,000	880,000	1,719,045	256,042	97,936	6		Do. 5 do 1866.	10	0 108	De De	. 60	10,	870	
roenville & Columbia	165	1,293,464 800,242	968,800 225,585	968.521	In proge				Do. 4½ do,1858 59-6	8	2 90			lo 1	8659	3
orth-Eastern				7,183,848	1,546,961	766,268	9		California, 7 do.coup1876	0. 5	6% 6	Per	na., 5	10,	83	X
Men Care and and and	87	725,560	199,000	7,183,848	278,128	173,780	7%		Georgia, 6 do. do187; Illinois Int.Imp. 6 per ct.184;	2_ 9	8 9	l Do	. 6	io. cp	1877 87	
tianta and La trenge-		4 156 000	260,991	4 416 991	11 068.909	KKO 250	174		I Illinois Int Iron 6 perct 184	1-11	7	Tel	mess. 5	do. cp	7	0
tianta and La Grange————————————————————————————————————	211 101	2 898 140	none	8,838,140	1 280 570	645,774	0		Do. 6 do. Int'es	1 9	9		0. 4	do. cp		16 %

(& int.)

INAMES CF COMPANIES.	1 0	1		_					10
(The following quotations are es interest.)	t d	Descript	ion of Bonds.	Rate Int.	Interest pay- able.	Where payable.	Due.	Offered.	Asked.
labama and Tennessee River	\$838,000	1st mortgage	e, convertible	7	1st Jan, 1st July	N.Y.	1872		85
Buffalo and State Line	500,000	Do.	inconvertible	7	April October	64	1866	95	97 %
Bellefontaine and Indiana		Do.	convertible	7	Jan'y, July Jan'y, July Feb'y, August.	66	1866 1858	78	82%
Do. do	200,000	Income, guar	r. Cl. Col. & Cin.	7	Feb'y, August.	66	1859		
lentral Ohio	1.250.000	1st mort, con	v. east. sec.		Divers	66	1861-64	****	80
Do. incinnati, Hamilton, and Dayton .	800,000	2d do. inc	onvertible	7	March, Sept	66	1865	69	71
Do. do. do. do.	465,000	2d do.	inconvertible	7	20.Jan. 20.July May, Novemb.	66	1867	85	90 83
ncinnati and Marietta	2.500.000		e, conv. till 1862	7	Jan'y, July May, Novemb. Feb'y, August. Feb'y, August. March, Sept	66	1868	70	80
ncinnati, Wilmington, and Zanes eveland, Painesville, and Ashtab	ille 1,300,000	Do.	convertible	7	May, Novemb.	44	1862		80
eveland, Painesville, and Ashtabi eveland and Pittsburgh	da_ 567,000	Do.	inconvertible	7	Feb'y, August.	66	1861	92%	95 93
Do. do.			on Branches	7	March Sept	66	1860 1873	70	78
eveland and Toledo	525,000	Do.	inconvertible	7	Feb'y, August.	66	1863		86%
lcago and Mississippi	800,000	Do.	conv. till 1857 -	7	Feb'y, August. April, October. April, October.	66	1862-72		65
Do. do.			inconvertible	7	April, October.	66	1862-72	70	65 75
Do. do	400,000		do	6 7	April, October. March, Sept	66	1867 1883	10	68
ware, Lackawanna, and Weste	rn_ 1,500,000			7	April, October.	46	1875	80	82%
rt Wayne and Chicago	1,250,000	Do.	conv. till 1863	7	Jan'v. July	66	1873	79	82%
iena and Chicago	2,000,000	Do.	inconvertible	7	Feb'y, August. May, Novemb. April, October.	44	1863	91	91
Po. do reat Western (Illinois)	1,000,000	2d mortgage 1st mortgage		10	April October	66	1875 1868		80
een Bay, Milwaukee, and Chicag	400,000		convertible	8	10-April, 10.0c.	66	1863	90	95
een Bay, Milwaukee, and Chicag ffersonville	300,000	Do.	2d sec. inconv		April, October.	66	1873		75
diana Central	600,000	Do.	convertible	7	May, Novemb.	66	1866		90
dianapolis and Bellefontaine	450,000	Do. Do.	do.	7	Jan'y, July March, Sept	66	1860-61	76 85	80 90
dianap. & Cin'ti (for Lawb. & U. Crosse and Milwaukee	M.) 500,000		conv. till 1857 sec. conv. till 1864	8	May, Novemb	66	1866 1874	89%	91
ke Erie, Wabash, and St. Louis .	3,400,000	1st mortgage	e, conv. till 1859	7	May, Novemb. Feb'y, August.	66	1865	57%	59
ttle Miami	1.500.000	Do.	inconvert.	6	2 May, 2 Nov. April, October.	- 66	1883	77%	101
chigan Central	1,000,000		e, convertible		April, October.	Bost.	1860	100	
Do. ilwaukee and Mississippi	600,000	Do.	do	8	March, Sept,	NT N	1869 1862	99%	96
Do. do.			sec. conv. till 1857 do. 1858		Jan'y, July April, October.	N.Y.	1863		89
Do. do.			do. 1860	8	June. Decemb.	66	1877	86%	
w Albany and Salem	500,000	Do, 1st	section	10	April, October. May, Novemb.	66	1858-62		
Do. do	2,325,000		. sec. con. till 1858	8	May, Novemb.	66	1864-75		
orthern Cross.	1,200,000		e, convertible	8 7		56	1873 1867		92%
hio and Pennsylvania	1,000,000		do,	7	Feb'y, August.	66	1865-66		90
Do. do.	2 000 000	Income, con		7	Jan'y, July April, October.	84	1872	74	80
ennsylvania (Central)	5.000.000	1st mortgage	e, conv. till 1860	6	Jan'v. July	Phila.	1880	94%	95
acine and Mississippi.	680,000		conv., sink'g f'd	8	Feb'y, August. May, Novemb.	N.Y.	1875	81	85
cioto and Hocking Valleyteubenville and Indiana	300,000 1,500,000		1st sec. conv convertible	7	May, Novemb.	66	1861 1865		80
erre Haute and Indianapolis	600,000		do,	7	Jan'y, July March, Sept	44	1866	100	110
erre Haute and Alton	1.000,000	Do.	do	17	Feb'y, August,	66	1862772		75
Do. do	2,000,000	1'2d do.	do	8	Feb'y, August.	3 66	1870	65%	66
NAMES	1 %	1		1	1	1	1	1	
OF				Int.		20		+3	-
COMPANIES. (The following quotations include	nount Loan	Descript	ion of Bonds,	2	Interest pay- able,	he	ei ei	94	9
the accrued interest.)	Amount			Rate	atore.	Where payable.	Due.	Offered.	Asked
	-			-		-			-
altimore and Ohio	9 800 000	Mortgago		B	April October	Rolt	1885		803
Do. do.	1,128,500	Do.		6	April, October Jan'y, July	Balt,	1875	84	85
hicago and Rock Island	2,000,000	1st mortgage	e, conv. till 1858	7	10.Jan. 10.July	N.Y.	1870	96%	97
rio Dailroad	3,000,000	1st mortgage	, convertible	7	May, Novemb.	86	1867	104	107
					Manak Class	66			
Do	4,000,000	2d mortgage	, conversione and	7	March, Sept	66	1859	96	963
Do.	6,000,000	3d mortgage		7	March, Sept	66	1883	91	963
Do	4,000,000 4,351,000	3d mortgage Not conv. Sin Convertible,	nk.Fund, \$420,000 Inscription	7	March, Sept March, Sept Feb'y, August. Feb'y, August.	66 66 66	1883 1875 1871	91 88 77	963 92 883
Do. Do. Do. Do.	4,000,000 4,351,000 3,500,000	3d mortgage Not conv. Sin Convertible, Convertible.	nk. Fund, \$420,000 Inscription	7 7 7	March, Sept March, Sept Feb'y, August. Feb'y, August. Jan'y, July	66 66 66 66	1883 1875 1871 1862	91 88 77 84	963 92 883 773 86
Do, Do, Do, Do, Do, Lo, Do, Do, Lodgon River	4,000,000 4,000,000 4,351,000 3,500,000 4,000,000	3d mortgage Not conv. Si Convertible, Convertible. 1st mortgage	nk. Fund, \$420,000 Inscription	77777	March, Sept March, Sept Feb'y, August. Feb'y, August. Jan'y, July Feb'y, August.	66 66 66 66	1883 1875 1871 1862 1869-70	91 88 77 84 98*	963 92 883 773 86 99
Do,	6,000,000 4,000,000 4,351,000 3,500,000 4,000,000	3d mortgage Not conv. Sin Convertible, Convertible . 1st mortgage 2d do.	nk. Fund, \$420,000 Inscription	777777	March, Sept March, Sept Feb'y, August. Feb'y, August. Jan'y, July Feb'y, August. 16.June, 16. Dec	66 66 66 66	1883 1875 1871 1862 1869-70 1860	91 88 77 84 98 ¥ 85 ¥	963 92 883 773 86 99 863
Do,	6,000,000 4,000,000 4,351,000 3,500,000 4,000,000 2,000,000 3,000,000	3d mortgage Not conv. Si Convertible, Convertible . 1st mortgage 2d do. 3d do. Mortgage, in	nk. Fund, \$420,000 Inscription	7777777777777	March, Sept March, Sept Feb'y, August. Feb'y, August. Jan'y, July Feb'y, August. 16.June, 16.Dec May, Novemb. April, October.	66 66 66 66 66 66 66	1883 1875 1871 1862 1869-70 1860 1870 1875	91 88 77 84 98 4 85 % 59 %	963 92 883 773 86 99 863 603
Do.	6,000,000 4,000,000 4,351,000 3,500,000 4,000,000 2,000,000 17,000,000 3,000,000	3d mortgage Not conv. Si Convertible, Convertible . 1 at mortgage 2d do. 3d do. Mortgage, in M'ge 345,000	nk. Fund, \$420,000 Inscription	777777777777777777777777777777777777777	March, Sept March, Sept Feb'y, August. Feb'y, August. Jan'y, July Feb'y, August. 16. June, 16. Dec May, Novemb. April, October. March, Sept	66 66 66 66 66 66 66	1883 1875 1871 1862 1869-70 1860 1870 1875 1860	91 88 77 84 98 4 85 ½ 59 % 94	963 92 883 773 86 99 863 603 1003
Do, Do, Do, Do, Do, Ludson River. Do, Linois Central. Do, Cfree Land)	6,000,000 4,000,000 4,351,000 3,500,000 2,000,000 17,000,000 3,000,000 1,000,000	3d mortgage Not conv. Signature of the convertible	nk. Fund, \$420,000 Inscription e, Inscription do. convertible econvertible acrs-priv. 7 shar's e, inconvertible	777777777777777777777777777777777777777	March, Sept March, Sept Feb'y, August. Feb'y, August. Jan'y, July Feb'y, August. Jan'y, Novemb. April, October. March, Sept May, Novemb.	66 66 66 66 66 66 66 66 66 66 66 66 66	1883 1875 1871 1862 1869-70 1860 1870 1875 1860 1860	91 88 77 84 98 * 85 * 59 * 94 94	963 92 883 773 86 99 863 603 1003
Do. Do. Do. Do. Do. Lo. Do. Do. Do. Do. Do. Lo. Do. Lo. Lo. Lo. Lo. Lo. Lo. Lo. Lo. Lo. L	6,000,000 4,000,000 4,351,000 3,500,000 4,000,000 17,000,000 1,000,000 1,000,000 1,800,000	3d mortgage   Not conv. Si   Convertible,   Convertible     1st mortgage   2d   do.   3d   do.   Mortgage, in   M'ge 345,000   1st mortgage   Do.	nk. Fund, \$420,000 Inscription  a, Inscription  do.  convertible  acrs-priv. 7 shar's  e, inconvertible	777777777777777777777777777777777777777	March, Sept March, Sept Feb'y, August. Feb'y, August. Jan'y, July Feb'y, August. 16. June, 16. Dec May, Novemb. April, October. March, Sept May, Novemb. May, Novemb.	66 66 66 66 66 66 66 66 66 66 66 66 66	1883 1875 1871 1862 1869-70 1860 1875 1860 1860 1861-72	91 88 77 84 98 4 85 % 59 % 94 88 77	963 92 883 773 86 99 863 603 1003
Do, Do, Do, Do, Do, Do, Do, Do, Ludeon River	6,000,000 4,000,000 4,351,000 3,500,000 4,000,000 3,000,000 17,000,000 1,000,000 1,000,000 1,800,000 1,800,000 750,000	3d mortgage Not conv. Si O Convertible. Convertible. 1st mortgage 2d do. 3d do. Mortgage, in M'ge 345,000 1st mortgage Do. No mortgage.	nk. Fund, \$420,000 Inscription	777777777777777777777777777777777777777	March, Sept March, Sept Feb'y, August. Jan'y, July Feb'y, August. Jan'y, August. 16.June, 16. Dec May, Novemb. April, October. March, Sept May, Novemb. June, Decemb.	64 64 64 64 64 64 64 64 64 64	1883 1875 1871 1862 1869-70 1860 1870 1875 1860 1860	91 88 77 84 98 4 85 4 59 4 99 94 88 77	96 ½ 92 88 ½ 77 ½ 86 99 86 ½ 60 ½ 100 ½ 92
Do,		3d mortgage   Not conv. Sii   Convertible,   Convertible     1st mortgage   2d   do.   3d   do.   Mortgage, in   M'ge 345,000   Ist mortgage   Do.   No mortgage   1st mortgage	nk. Fund, \$420,00( Inscription	777777777777777777777777777777777777777	March, Sept March, Sept Feb'y, August. Feb'y, August. Feb'y, August. Jan'y, July Feb'y, August. 6. June, 16. Dec May, Novemb. April, October. March, Sept May, Novemb. June, Decemb. Jan'y, July Feb'y, August.	64 64 64 64 64 64 64 64 64 64 64 64 64 6	1883 1875 1871 1862 1869-70 1860 1875 1860 1860 1861-72 1855'60'6 1873 1861	91 88 77 84 98 4 85 4 59 4 99 94 88 77 76	963 92 883 773 86 99 863 1003 1003 92 78 80 92 76
Do,		3d mortgage   Not conv. Sii   Convertible,   Convertible,   Convertible,   2d do.   3d do.   Mortgage, in   Mrge 345,000   1st mortgage,   Do.   No mortgage,   1st mortgage,   Do.   Do.	ak Fund, \$420,000 Inscription	777777777777777777777777777777777777777	March, Sept March, Sept Feb'y, August. Feb'y, August. Feb'y, August. Jan'y, July Feb'y, August. 6. June, 16. Dec May, Novemb. April, October. March, Sept May, Novemb. June, Decemb. Jan'y, July Feb'y, August.	64 64 64 64 64 64 64 64 64 64 64 64 64 6	1883 1875 1871 1862 1869-70 1860 1870 1875 1860 1860 1861-72 1855'60'6 1873 1861	91 88 77 84 98 4 85 8 59 4 94 88 77 76	96 % 92 88 % 77 % 86 99 86 % 60 % 100 % 92 78 80 92 76 78
Do.		old mortgage Not conv. Sii Convertible, Convertible, Ist mortgage 2d do. 3d do. Mortgage, in Mrg 345,000 1st mortgage Do. No mortgage 1st mortgage Do. No mortgage Do. No mortgage No mortgage No mortgage No mortgage No mortgage No mortgage	nk Fund, \$420,000 Inscription	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	March, Sept	66 66 66 66 66 66 66 66 66 66 66 66 66	1883 1875 1871 1862 1869-70 1870 1870 1875 1860 1860 1861-72 1855'60'6 1873 1861 1868 1888	91 88 77 84 98 4 85 4 59 4 94 88 77 76	96 % 92 88 % 77 % 86 99 86 % 60 % 100 % 92 78 80 92 76 78 86 % 86 % 86 % 86 % 86 % 86 % 86
Do.		old mortgage Noteconv. Sii Convertible, Conv	ak Fund, \$420,000 Inscription	777777777777777777777777777777777777777	March, Sept March, Sept Feb'y, August. Feb'y, August. Feb'y, August. Jan'y, July Feb'y, August. 6. June, 16. Dec May, Novemb. April, October. May, Novemb. May, Novemb. June, Decemb. Jan'y, July Feb'y, August. Feb'y, August. May, Novems. May, Novemb. May, Novemb.	66 66 66 66 66 66 66 66 66 66 66 66 66	1883 1875 1871 1862 1869-70 1870 1875 1860 1861-72 1865-60'6 1873 1861 1868 1883 1864	91 88 77 84 98 4 85 4 59 4 99 94 88 77 76  77 86 100 4	96 % 92 88 % 77 % 86 99 86 % 60 % 100 % 92 78 80 92 76 78 86 % 101
Do.		3d mortgage     Not conv. Sii     Convertible,     Convertible,     Convertible,     State	alk Fund, \$420,000 Inscription	777777777777777777777777777777777777777	March, Sept	66 66 66 66 66 66 66 66 66 66 66 66 66	1883 1875 1871 1862 1869-70 1860 1870 1870 1860 1861-72 1856'60'6 1873 1861 1868 1883 1884 1886	91 88 77 84 98 4 85 4 59 4 99 7 88 77 76  77 86 100 4	963 92 883 773 86 99 863 603 1003 92 78 80 92 76 78 863 101 99
Do.		old mortgage Note conv. Sii Convertible, Convertible, Convertible, 13t mortgage 2d do. 3d do. Mortgage, in Mrge 345,000 Ist mortgage Do. No mortgage Ist mortgage Do. No mortgage Nom'ge con Oonvertible Do. Mortgage Oonvertible Do. Mortgage	ak Fund, \$420,000 Inscription	777777777777777777777777777777777777777	March, Sept March, Sept Feb'y, August. Feb'y, August. Jan'y, July Feb'y, August. 16. June, 16. Dec May, Novemb. April, October. March, Sept May, Novemb. Jan'y, July Feb'y, August. Feb'y, August. May, Novemb. Jan'y, July	44 44 44 44 44 44 44 44 44 44 44 44 44	1883 1875 1871 1862 1869-70 1875 1876 1860 1860 1861-72 1855'60'6 1861 1868 1883 1864 1866	91 88 77 84 98 4 85 4 59 4 99 94 88 77 76  77 86 100 4	96 % 92 88 % 77 % 86 99 86 % 60 % 100 % 92 78 80 92 76 78 86 % 101 99
Do.		3d mortgage     Not conv. Sii     Convertible,     Convertible,     Convertible,     State     State     State     Add.     Mortgage, in     Mrge 345,000     State     State     Do.     No mortgage     Do.     Do.     No mortgage     No mortgage     No mortgage     Oo.     Oonvertible     Oonvertibl	alk Fund, \$420,000 Inscription	777777777777777777777777777777777777777	March, Sept March, Sept Feb'y, August. Feb'y, August. Jan'y, July Feb'y, August. 16. June, 16. Dec May, Novemb. April, October. March, Sept May, Novemb. Jan'y, July Feb'y, August. Feb'y, August. May, Novemb. Jan'y, July	44 44 44 44 44 44 44 44 44 44 44 44 44	1883 1876 1871 1862 1869-70 1870 1870 1870 1860 1861-72 1861 1861 1863 1861 1868 1883 1864 1866 1866 1860	91 88 77 84 98 4 85 4 59 4 99 94 88 77 76  77 86 100 4 98	96 ½ 92 88 ½ 77 ½ 86 ½ 60 ½ 100 ½ 78 80 92 76 78 86 ½ 101 99 ½ 89 ½ 89 ½ 89 ½ 89 ½ 89 ½ 89 ½ 89
Do,		3d mortgage     Not conv. Sii     Convertible,     Convertible,     Convertible,     State     State     State     Add.     Mortgage, in     Mrge 345,000     State     State     Do.     No mortgage     Do.     Do.     No mortgage     No mortgage     No mortgage     Oo.     Oonvertible     Oonvertibl	ak Fund, \$420,000 Inscription	777777777777777777777777777777777777777	March, Sept	44 44 44 44 44 44 44 44 44 44 44 44 44	1883 1875 1871 1862 1869-70 1870 1870 1870 1860 1860 1861-72 1855'60'6 1873 1863 1883 1883 1883 1884 1866 1866	91 88 77 84 98 4 85 4 59 4 99 77 76  77 86 100 4 91 98	963 92 883 773 86 99 863 603 1003 
Do.		3d mortgage	ak Fund, \$420,000 Inscription	777777777777777777777777777777777777777	March, Sept	44 44 44 44 44 44 44 44 44 44 44 44 44	1883 1875 1871 1869-70 1869-70 1876 1876 1876 1860 1831-72 1861 1861 1863 1863 1864 1866 1860 1860 1860	91 88 77 84 98 4 85 4 59 4 99 88 77 76  77 86 100 4 98 89 78 4	963 92 8833 86 86 99 863 603 1003 92 78 80 92 76 78 863 101 99 99 79
Do.		3d mortgage     Not conv. Sii     Convertible,     Convertible,     Convertible,     State     State     State     Add.     Mortgage, in     Mrge 345,000     State     State     Do.     No mortgage     Do.     Do.     No mortgage     No mortgage     No mortgage     Oo.     Oonvertible     Oonvertibl	ak Fund, \$420,000 Inscription	777777777777777777777777777777777777777	March, Sept March, Sept Feb'y, August. Feb'y, August. Jan'y, July Feb'y, August. 16. June, 16. Dec May, Novemb. April, October. March, Sept May, Novemb. Jan'y, July Feb'y, August. Feb'y, August. May, Novemb. Jan'y, July	44 44 44 44 44 44 44 44 44 44 44 44 44	1883 1876 1871 1862 1869-70 1870 1870 1870 1860 1861-72 1861 1861 1863 1861 1868 1883 1864 1866 1866 1860	91 88 77 84 98 4 85 4 59 4 99 88 77 76  77 86 100 4 98 89 78 4	963 92 8833 86 86 99 863 603 1003 92 78 80 92 76 78 863 101 99 99 79
Do.		old mortgage Not convertible, C	ak Fund, \$420,000 Inscription	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	March, Sept	case case case case case case case case	1883 1875 1871 1862 1869-70 1860 1870 1860 1870 1861-72 1861-72 1861-72 1861 1863 1863 1864 1866 1866 1860 1870 1860 1870 1860 1870 1860 1870 1861	91 88 77 84 98 4 85 4 85 94 99 77 76 	96 ½ 92 88 ¼ 77 ¼ 86 99 86 ¼ 60 ½ 100 ½ 78 80 92 76 78 86 ¼ 101 99 99 ½ 89 79
Do.		old mortgage Note convertible,	ak Fund, \$420,000 Inscription do. convertible convertible do. convertible do.	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	March, Sept March, Sept Feb'y, August. Feb'y, August. Feb'y, August. Jan'y, July Feb'y, August. 16. June, 16. Dec May, Novemb. April, October. May, Novemb. June, Decemb. Jan'y, July Feb'y, August. Feb'y, August. Feb'y, August. Feb'y, August. Feb'y, July Jan'y, July	in the state of th	1883 1876 1871 1862 1871 1869 1870 1870 1870 1870 1870 1870 1871 1860 1861 1863 1883 1883 1883 1883 1883 1883	91 88 77 84 98 85 85 85 86 77 76 	963 92 88 kb 777 86 99 863 60 2 78 80 92 76 78 86 86 101 99 99 79
Do.		Sd mortgage     Not conv. Sii     Convertible,     Convertible,     Convertible,     Convertible,     Convertible,     Sd do.     Mortgage, in     M'ge 345,000     St mortgage     Do.     No mortgage     Do.     No mortgage     No m'ge con     On     O	ak Fund, \$420,000 Inscription	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	March, Sept March, Sept Feb'y, August. Feb'y, August. Feb'y, August. Jan'y, July Feb'y, August. I6. June, I6. Dec May, Novemb. April, October. May, Novemb. June, Decemb. June, Decemb. June, Decemb. Jan'y, July Feb'y, August. Feb'y, August. Feb'y, August. Feb'y, July Jan'y, July	int'st	1883 1875 1871 1862 1870 1870 1870 1870 1870 1870 1876 1860 1861 1861 1862 1863 1863 1863 1864 1860 1870 1870 1870 1870 1870 1870 1870 187	91 88 77 84 98 4 98 85 59 4 88 77 78 86 100 4 98 89 78 4 98 89 78 4	963 92 883 773 86 99 663 603 1003 92 78 80 92 76 78 863 101 99 99 79
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### Cincinnati Stock Sales BT HEWSON & HOLMES. For the week ending May 13, 1857.

	BUNDO
\$8,000	Indianap. & Cin. 7 per ct. 2d Mortg 80
6,000	Covington & Lex., 6 per cent., guaranteed
	by the city of Covington
5,000	Cov. & Lex., 6 per cent, 1st Mortg
2,000	Little Miami, 6 per ct., 1st Mortg80
1,900	Columb. & Xenia, 7 per cent. Div. of 1:60,
	1861 and 186690
5,000	Pendleton County, Ky., 6 per cent60
1,000	Hilisboro' & Cin., 7 per cent. 1st Mortg56

1,00	10 Oh	io and Miss, 7 per cent. 2d Mortgage62%	1100
		, Ham. & Dayt., 7 per ct. 1st Mortg90	
42	5 Lit	tle Miami, Div. Scrip82	
		STOOKS,	
300 8	Share	s Ohio and Mississippi11%	
50	06	" "I2	
100	66	Cincinnati and Chicago 8	46
160	66	Little Miami95	
90	66		
20	46		
50	66	Cincinn, Hamilton, & Dayton68	
200	46	Mariatta & Cincinnati 60 days 10	

# BY KIRK & CHEEVER.

Covington and Lexington.....

	Interest inc.
BONDS.	Per et.
Little Miami, 6 per ct, Mort,	80
Covington & Lexington, 2nd Mort, 7 per ct	67 %
Ohio & Mississippi, 2nd Mort, 7 per ct. (Eastern I	Division)_58
Indianap & Cin., 2nd Mort. 7 per ct.	80
Cin., Ham. and Dayton, and Mort. 7 per ct	84
Hillsboro' and Cin., 7 per cent, 1st Mortg	50
Covington & Lexington, 10 per ct Income	60
Indianapolis and Cincinnati Dividend	
Columbus and Xenia Dividend, due June 1, 1866	
Little Miami, Dividend Scrip, issued Dec., 1856	
Covington and Lexington, 6 per cent. 1st Mortgs	ige68

STOURS.

Bellefontaine and Indiana, ....-Cin., Ham. and Dayton, 68.

-Col. and Xenia, (Ex Divid.), 94.—Cincinn. and Chie., 3.

-Cincinnati, Wilmington and Zanesville, ...-Covington & Lexington, 18.—Dayton & Western, 20%.—Eaton and Hamiton, 16.—Indiana Central, 50.—Indianapohs and Cincinnati, (Ex Dividend), 63.—Little Miami, (Ex Divid.), 95.—Mad River & Lake Erie, 16.—Marietta & Cincinnati, 19%.—Ohio and Mississippi, 11%.—Hillsborol & Cincinnati, 19%.—Peru & Indianapolis, 8.—Cin., Harr., & Indianap., 10.

## Extract from Marie & Kanz's Money Circular for the European Steamer of the 20th May.

[TRANSLATED.]

New York, Monday, May 18, 1857. Owing to the want of activity which affects the various branches of trade as well as the financial classes, money, in spite of the large shipments of specie, becomes daily more abundant, and the rates of interest are tending downward. Stocks are for the most part a trifle lower than our previous quotations; but California State Bonds and the shares of the Michigan Southern and Illinois Central Railroads have experienced a marked advance. The California Bonds rose on the news that the Legislature seemed on the eve of passing a law ratifying the debt, subject to the popular vote in September next. Michigan Southern Stock is up in consequence of the success attending the new loan, and the rise on Illinois Central is due in part to forced purchases by speculators who have oversold the market. Money easier. Loans on call 7, and in exceptional cases at 6 per cent. First-class paper, 8 per cent.; second-class do., 9a11. Stock contracts, 8a10. Exchanges firm, with moderate activity. London, 1094a1091; Paris, 5.171.

MARIE & KANZ.

# Extract from De Coppet & Co.'s Money Circular for the European Steamer of the 20th

[TRANSLATED.]

New York, Monday, May 18, 1857.

The market in general has been somewhat less active for the few days that have passed since our last advices of the 12th inst. Prices generally have been more settled and less fluctuating. The attention of operators has been drawn chiefly to Cleveland and Toledo, Michigan Southern and Illinois Central. State Stocks-The operations have been smaller than usual, with a trifling decline in Virginia and Missouri 6s. We quote California 7s 8 per cent. higher than last week. This advance 60 67 % 81 % 97 is the consequence of a bill introduced and passed in the Senate, by a large majority, to legalize the State indebtedness. City and County Bonds have been inactive. We have only to mention some few sales of Milwaukee City 7s, (Sinking Fund,) Cincinnati 6 per cents., and Brooklyn 6 per cents., and Des Moines County 8 per cents., without material change in price. Railroad Bonds—The principal sales have been in Illinois Central 7s, Construction, and New York Central 6 per cents., without change of quotations. At private sale some small lots of Burlington and Missouri 8 per cent. 1st mortgage, Galena and Chicago 1st mortgage, and Peoria and Oquawka 8 per cent. E. E. 1st mortgage, have changed hands at last quotations. Railroad Shares show about the usual amount of sales. Transactions have been mostly in Cleveland and Toledo, Michigan Southern, Reading and Illinois Central. This last rose from 136 to 140, and then declined to 137½. Cleveland and Pittsburg has been more active than usual, falling to 44, advanced to 48%, and closes at 47½. We refer to the annexed bulletin for the daily changes in prices. Money rather easier, without change of rate. Call Loans, 7 per cent. Paper, 8a12, according to class and length.

# American Railroad Journal.

Saturday, May 23, 1857.

Frankfort Bridge over Kentucky River.
The following extract of a letter from Mr. Julius W. Adams, Civil Engineer, will be read with interest. It describes the construction of an important railroad bridge of which some notice has already appeared in our columns.

The bridge was designed by Mr. Adams and executed under his immediate supervision. The contractor was Mr. Harvey Taylor of Louisville.

The railroad between Louisville and Lexington crosses the Kentucky river at this place, (Frankfort) and heretofore on a wire suspension bridge built in 1850, of two spans of about 200 and 300 feet respectively. The masonry of the towers of the suspension bridge had become shaken, and badly fractured by the vibratory action of the cables, and notwithstanding every effort to preserve it in repair, it had long been considered unsafe for heavy engines to cross, and the railroad company had been at the expense of keeping a light engine merely to pass the trains over the bridge, and latterly passengers had been required to cross on foot.

The platform of the bridge was stiffened by a lattice truss on each side, with space between for a railroad track in the centre, and an ordinary travel way on either side, which arrangement was preserved in the new bridge. The grade line was about 50 feet above the level of summer water, which had a depth of some 20 feet, and was navigable by steamboats of 300 tons or more.

The difficulty consisted in founding the new piers in this depth of water, on an irregular rock bottom, and raising the bridge to the same level of grade as the existing bridge on the same site, without impeding, either the navigation of the line, or the traffic of the railroad. This was successfully accomplished.

The depth of water and the character of the bottom rendering the use of coffer dams very expensive, a different method was adopted, with, as far as we can judge, a happy result.

The site of the deep water pier was leveled by filling up the depressions in the bottom with small stone, upon which a crib of heavy oak timber, 50 feet long, 20 feet wide and 2 feet in height, was sunk. This crib was filled with broken stone. A

caisson with a heavy timber floor bolted in two thicknesses was built and launched, within which three or four courses of masonry were laid, floated over the site of the pier, and sunk in its place, the dimensions of the floor of the caisson being such as to allow it to rest on the broken stone filling within the framing of the crib. The sides of the caisson not being needed elsewhere, were wisely saw off to the level of extreme low water. The total height of this pier was 65 feet and built of Magnesian lime-stone in regular courses of cut masonry.

Two new piers were built, dividing the whole length of bridge into three spans, two of a clear opening of 168 feet each, and one of 120 feet.

The platform of the old suspension bridge was supported at intervals of 3 feet by suspenders from the cables of wire rope, bolted to the ends of the floor beams, which were 6 inches by 16 inches in depth.

In raising the superstructure of the new bridge, stirrups were secured to the floor beams at intervals in the length of the bridge, and in the plane of the chords, through which were passed the lower chords of timbers in contact with the underside of the floor beams. The extreme flexibility of the platform during the passage of trains rendering great care necessary in order to insure the proper level of the chords.

The principle of the truss, is the "rafter brace," reliance being placed upon long braces similar to the rafters of a roof footing into shoes on the extremes of the lower chords, and bearing against straining beams in the upper chord, whilst the posts are counter-braces, embracing the rafter-braces in pairs, serve to give any required degree of stiffness to the truss.

It is customary amongst builders, to frame their bridges to a high camber in the middle, sometimes more than a foot in spans of 180 feet. This is to a certain degree rendered necessary by the methods in use for carrying the strains from the centre through the intermediate pannels, to the ends over the points of support, the bridge is then either loaded heavily (or the same effect produced by tightening the counter-braces) thus sensibly diminishing the amount of camber, and retained in that shape by the increased strain communicated through the action of the counter-braces. This subjects the bridge to a constant strain equal in its effect to that of a load which would diminish the camber to the same extent.

The only effect of a passing load on a bridge so adjusted, will be to receive the counter-braces of the strain to which they were subjected, and throw it on the braces. Or in other words, paradoxical as it may appear, a bridge may be built, and subjected to a constant strain, greater than the occasional strain produced by the passage of a given train. Hence the test trials to which such structures are submitted, are utterly fallacious, and the statement that a bridge only yields an inch in the middle to the passage of a train, gives no indication whatever of the actual strength of the structure, which may actually be under strain to such an extent as ultimately to detroy the life of the timber, without the passage of a single ton of load over it.

The Frankfort bridge on the contrary, is framed straight, and raised to a camber which will allow it to conform to the level of the grade upon

the removal of the scaffolding, and is not under strain when unloaded. The strains are communicated direct to the abutment from all points, and a train of fourteen heavily loaded cars, with engine and tender, produced a deflexion of ¾ inch in the centre of the 165 feet spans. The deflexion of any other plan of bridge in use in this country (with a level chord not under strain when unloaded) would be at least six inches, under the same circumstances.

The certificate of Samuel Gill, Esq., the Superintendent of the road is very flattering, and bears unqualified evidence to the value of these improvements in this increasingly important branch of internal improvements.

### Railroads in Nova Scotia.

From returns recently made by the Provincial Secretary to the Legislative Council of Nova Scotia, enclosing a letter from the Commissioners of Railways, we learn that the total cost of railway as far as completed from Halifax to Bedford, exclusive of terminal stations, is £50,860 stg., of which £46,401 was expended on permanent way, £553 on stations, £168 for land damages, and £3,736 for rolling stock. The Sackville viaduct is also completed.

The return also gives as the approximate estimate required to complete the portion under contract as far as Stewiacke on the route toward Truro, £129,904 stg., and states that the portion of road lying between Stewiacke and Truro has been located, but is not yet under contract; and that the completion of this section will probably average for construction, exclusive of equipment, £5,000 stg. per mile.

The line between Truro and Pictou has not yet been located, but the cost is estimated at £5,000 per mile.

The following tabulated statement gives the results at a view:

Distance-Halifax to Windsor	,					45	miles
Junction to Truro						48	6.6
Truro to Pictou							

Whole distance-Halifax to Windsor and .... 138 miles Pictou .... Expended on 76 miles under contract, including expenses of every kind, as well for engineering as stations, and contingencies report and account rendered ... £466,752 Less 1-5th difference, cy..... 93,350 £373,401 14 Add to finish, as per estimate 129,904 0 0 above .... £503,305 14 9 Remaining distance, say 62 miles, at £5,000 per mile ...... 310,000 0 0 £813,305 14 9

For equipment 138 miles, at £400 per mile, which allows 1 locomotive and 10 mixed cars to every 10 miles . . . £55,200 0 0 Less rolling stock on hand . . . . . . . . 10,509 7 2

44,690 12 10

Total for 138 miles .... £857,996 7 7 Being at the rate of £6,217 7 8 sterling per

This, it will be understood, is exclusive of way and terminal stations, except so far as already ex-

pended, and included in the accounts rendered, amounting at present to £9,407 2 2.

The company have on hand 3 locomotives, 4 passenger cars, and 22 freight cars.

In regard to the prospects for business the returns contain the following observations:

"In a young country like Nova Scotia, where the operation of railways is an untried experiment, and where no reliable data exist from which to prepare the estimate sought, in a country known to abound with much of the crude materials of commerce, where the capabilities for manufacturing operations can hardly be surpassed-with the prospect of commanding a large share of the gulf trade, including that of Great Britain, Prince Edwards Island, the north shores of New Brunswick and the river St. Lawrence on the one hand—on the other, that of the western counties of the province, the fine agricultural and richly endowed districts adjacent to the Basin of Minas; contemplating the increased intercourse certain to ensue with New Brunswick and the eastern parts of the United States by steam and other navigation of the Bay of Fundy, in view of a future so promising, the Board feel that they may well be excused for declining to hazard a conjecture as to the probable amount of receipts from goods and passengers traffic between Halifax and the several termini proposed. Indeed, what might constitute a reasonable estimate for such receipts for a first year's operations, judging from the results of railways and their introduction into other countries, would form a very imperfect criterion for a second or subsequent year, much less for an annual return. And, as lines from their location are unlikely to be subjected to rival influences, which is eminently the case with those under construction in Nova Scotia, just in the same proportion their productiveness may be relied upon as increasing and permanent. The experience of railway operations in other countries tends uniformly to establish this position.

# Railroad Celebration.

The following is a list of the roads over which the holders of the Excursion Tickets, issued by the *Ohio and Mississippi Railroad Company*, will be permitted to pass free either in going to, or returning from, Cincinnati and St. Louis:

Baltimore and Ohio; Buffalo and Erie; Buffalo Division of New York and Erie; Central Ohio; Chicago, Alton and St. Louis; Chicago and Rock Island; Cincinnati, Hamilton and Dayton; Cleveland and Toledo; Cleveland, Columbus and Cincinnati; Cleveland and Pittsburgh; Cleveland and Erie; Covington and Lexington; Evansville and Crawfordsville; Great Western of Canada; Great Western of Illinois; Hudson River; Illinois Central; Indianapolis and Cincinnati; Jeffersonville; Little Miami and Columbus and Xenia; Madison and Indianapolis; Mad River and Lake Erie; Marietta and Cincinnati; Michigan Southern and Northern Indiana; Michigan Central; New Jersey Railroad and Transportation Company, and Camden and Amboy; Norwich and Worcester; New Albany and Salem; New York Central; N. York and Harlem; New York and Erie; New York and New Haven; Pacific Railroad of Missouri; Philadelphia, Wilmington and Baltimore; Pittsburgh, Fort Wayne and Chicago; Pennsylvania and Pittsburgh; Steubenville and Indiana; Toledo, Wabash and Western; Terre Haute, Alton and St. Louis.

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These companies will pass the guests of the Ohio and Mississippi Railroad Company, on any day after the 26th of May going out, and before the 16th of June, returning. The circular accompanying the tickets, contains the following suggestions in reference to the various routes which may be taken to reach either terminus of their road:

"The holders can either take the Hudson River Railroad or the Harlem Railroad from New York to Albany, thence over the New York Central Railroad, or go by the New York and Eric Railroad to

westward by the Lake Shore route to Cleveland; thence, if bound direct to Cincinnati, by the Cleveland, Columbus and Cincinnati Railroad, or by the Mad River and Lake Erie Railroad. If desiring to go by this route to St. Louis, leaving the Cleve land, Columbus and Cincinnati road at Crestline; or to St. Louis by the Toledo, Wabash and West-ern Railroad, and thence to the Ohio and Mississippi Railroad at St. Louis, or any point eastward by the different routes; or from Buffalo and Nia-gara Falls, by the Great Western Railway to De-troit, and the Michigan Central to Chicago; or by the Michigan Central Steamers of Michigan Scuthern and Northern Indiana Railroad from Buffalo to their respective roads, and then on westward over either road, thus reaching the Ohio and Mississippi Railroad, either by the Illinois Central or the New Albany and Salem, or the Great Western, or the Terre Haute, Alton and St. Louis, or the St. Louis, Alton and Chicago Railroads. If the Southern route be preferred, going by the New Jersey Railroad to Philadelphia, and thence by the Pennsylvania Railroad to Pittsburgh, thence to either Cincinnati or St. Louis; or from Philadelphia to Baltimore, and thence by the Baltimore and Ohio Railroad and connecting roads to Cincinnati. Boston passengers will reach New York by the Norwich and Worcester Railroad and boats. It was the design to provide for all the guests in Cincinnati and St. Louis, but this has been found to be impossible for various reasons, not the least of which is the purpose of special parties to be together, for which the Committee cannot provide. The Excursion Trains will leave Cincinnati and St. Louis on the morning of June 4, and meet at Vincennes, whence the guests can proceed either to St. Louis or Cincinnati."

# The Tehnantepec Route.

The New Orleans Bulletin has an article on the advantages to that city of the Tehuantepec route across the Isthmus, and strongly confirmatory of the views advanced by Capt. Cram in his report to the Secretary of War, on Ocean Routes to California. We give a portion of the Bulletin's article:

The opening of this route between the Pacific and Atlantic is a matter of great importance to this city in particular, and interests largely the whole Southwestern States, because there is not one of them which is not represented on the shores of the Pacific by ties of affection and interest. And the connection will continue to grow closer and assume more direct and positive bearings with every revolving year. The travel and commercial intercourse between the two oceans that must necessarily take place, will be of course augmented in increasing ratio and rapidity. This travel and this trade will seek the shortest and quickest route inevitably. The laws of trade will regulate this as certainly as that water will seek a common level. The Tehuantepec route, being so much shorter than any other, and with so little land transit, must, in the long run, command the great bulk of business for all the heavier articles of commerce at least, carried on between the Atlantic and Pacific States and cities. But this is not all. Tehuantepec route possesses the advantage of being central. It is far enough north to save the immense circuit via Panama and the tropical heats, to run through a healthy part of the continent, and far enough south to be forever free from the mountains of snow and ice that, during a great portion of the year, will block up any railroad communication starting from the Upper Mississippi. In whatever light we contemplate the route, we cannot fail to be struck with its great importance to the country generally; but its direct bearings upon the prosperity and business of our own citizens are of such a character as to make us watch the progress of the work with the utmost interest. If we are true to ourselves it cannot fail to disembogue into the lap of New Orleans an amount of business that will give a new impetus to our energies and open new avenues of trade and wealth to our people.

Buffalo or Dunkirk. From Buffalo by railroad route from Suchil, on the Coatzacoalcos to the bay offers.

of Venstosa on the Pacific had been so far completed that a wagon has actually passed over it from one terminus to the other. It was exp that the road would have been entirely finished by this time, or before; but an actual passage over the route has shown that a number of bridges over small streams, which had not been taken into sufficient consideration, will have to be built before any practical headway can be made in the business of transit. These bridges are seven or eight in number, of various sizes, say from one hundred to three hundred feet in length. Contracts, have, therefore, been made with responsible and largely interested parties, stockholders in the company, for the construction of these bridges, and the utmost limit of time within which they are to be completed, is the first of October next. It is expected, however, that they will be done before that time. There is one bridge nine hundred feet long, to be constructed near the town of Tehauntepec, about twenty miles this side of the Pacific terminus, which will not be built by that time; but it is proposed to cross the stream by ferry boats till the work shall be completed.

The company, months ago, contracted for the stages, teams, etc., to be placed upon the road so soon as it should be ready for them, and the contract has already been fulfilled, the teams being ready, and stables, etc., in progress of building or finished. The company has also made the necessary arrangements for steam communication between this city and Minititlan, to be brought into requisition upon four weeks' notice. The moment, therefore, the bridges are built, the business of transit will practically commence, and it is not doubted, from a variety of circumstances, which it is unnecessary here to mention, that the Post office Department of the government will enter into arrangements with the company for the weekly transmission of the mails between California and

the Atlantic States.

## Central Railroad of New Jersey.

The Tenth Annual Report of the Directors of the Central Railroad of New Jersey, made to the stockholders April 1st, gives a full statement of the affairs of the company which appears to be in a very flourishing condition. During the year, a large coal transportation, to the amount of nearly 200,000 tons has sprung up.

The following is a statement of the receipts and expenditures for the fiscal year ending April 1st—

-
RECEIPTS.
Passengers\$186,720
Merchandise
Coal 146,121
Miscellaneous 16,238
\$614,554
EXPENDITURES.
Running expenses, repairs, etc \$295,235
Net earnings

against \$181,065 for the previous year, or a gain of 75 per cent.

The number of passengers carried by railroad and ferry was 298,229 and the number of miles run by trains was 329,720, with 32,016 by ferry between New York and Elizabethport. The company own 25 engines, 22 passenger cars and 232 freight and baggage cars, 20 of the engines are narrow and 5 broad gauge.

The report of the Engineer shows 48 miles of double track, from Elizabethport to Hampton, with three rails to each track. Large additions have been made to the sidings, and at the junction with the Warren road the grade, in the deep cut, has been reduced seven feet. When all the tracks and sidings are completed, the company will be prepared to transact any amount of business that

During the year the Delaware, Lack Western Railroad has been completed		-
17.705 tons of merchandise and 150	, at our wanter	
coal have been sent over the road.		
nection with the Sunbury and Erie is		2
The following is a statement of the	financial ope-	1
rations during the year:		J
RECEIPTS.		
Stock and bonds on hand issued	\$178,679.50	
Bills receivable on hand, paid	450,463.54	]
Bills payable, outstanding, increased.	241,001.31	1
Fuel on hand, reduced	15,698.00	
Sundry accounts	21,076,78	
Gross earnings, as per statement,	$\frac{614,554.25}{3,978.53}$	
Cash from old account	0,910.00	
Total \$	1,526,137.97	
EXPENDITURES.		1
Grading		
Masonry 22,364.89		1
Railway superstructure 545,674.60		6
Bridge superstructure 2,767.49		
Land damages, (including		
farms)		1
Engineer department 6,727.27		1
Station houses		1
Land and work at Elizabethport	13,182.22	-
Engines and cars	62,000.00	
Sundry property accounts	6,217.45	
Sundry accounts	4,975.00	
Ordinary expenses, as per statement.	295,235.27	•
State tax, ½ per cent	16,147.07	7
Interest account, balance	187,796.28	1
Dividends, Nos. 15 and 16,	133,000.00	
General freight agent,	994,82	
Cash on hand	14,071.84	1
Total		1
The profit and loss account has bee		
follows:	n debited as	
	400F 00F 0F	
Ordinary expenses, as per statement.	16 147 07	1
Interest on hands &co	197 706 99	d
State tax, ½ per cent	133.000.00	4
2 110 dividends of 0/2 per const		
allowed by America II.	\$632,178,62	
It has been credited as follows:		]
Gross earnings, as per statement		1
Balance	17,624.37	1
	\$632,178.62	
The two dividends declared have		
stock.		
		]
The general balance sheet is as follo	ws:	4
Grading\$1,199,498.20		d
Masonry 417,897.38	1	
Bridge superstructure. 134,461.16 Railway superstructure		
and ballast 1,527,421.46		
Land damages 276,794.83		
Engineering 91,917.02	1	
Interest		
Discount on 2nd mort-	1	
gage bonds 225,000.00		
Miscellaneous expenses. 65.710.61	4 970 640 00	
Station houses, shops, and water sta-	4,370,640.28	1
tions	134,600.00	
Land and work at Elizabethport	129,250.00	
Ferry interest and boats	189,950.00	
Engines	207,700.00	
Passenger and baggage cars	48,400.00	
Freight cars	126,930.00	
Telegraph, docks, machinery and mis-	00 007 15	
cellaneous property	36,895.47	1
Workshop materials on hand	18,463.50	
Fuel on hand	$\frac{61,302.00}{14,700.00}$	,
Stock of company  Balance of profit and loss account	17,624.37	
Cash and cash items	18.152.80	

Cash and cash items....

i	Constant et eater	ï
	Capital stock	1
	" 1865. 500,000	1
	" 1870, 500,000	ı
	1,500,000.00	
	Second mortgage bonds due 1875 1,000,000.00	-
	Bills payable	l
	Balances of sundry accounts 10,450.50	١
ı	*F 074 000 40	ı
ı	\$5,374,608.42	1
I	The following gentlemen are officers of the com.	ľ
Į	pany for the present year:	
ı	President-John T. Johnston.	
1	Secretary and Treasurer-Gilbert M. Milligan.	l
1	Supt. and Engineer-John O. Sterns.	
I	Assistant Supt Josian O. Stearns.	l
I	Board of Directors.—John T. Johnston, John C.	1
1	Green, William E. Dodge, Adam Norrie, New	
1		
1	York; Benj. Williamson, John O. Sterns, Eliza-	
	beth; Alfred Vail, Morristown; F. T. Frelinghuy-	
1	sen, Newark; Henry D. Maxwell, Easton, Pa.	
I	Railroad Earnings.	l
	The earnings of the New York Central Railroad	1
-	for April were	1
-	1857\$746,046.66	1
-	1856	1
1		1
1	Increase \$28,129.45	L
	The earnings of the Erie Railroad for the month	1
	of April were	ı
1	1857\$530,434.44	ı
	1856	ı
ı		l
1	Decrease \$97,638.68	١.
	April 1855\$506,597.42	
ł	April 1857 530,434.44	ľ
1	***************************************	1
١	Increase	l
I	The earnings of the Cincinnati and Indianapolis	ı
١	road in April were	1
1	April, 1857\$45,323.08	
	April, 1856	
	Increase	ı
1	The earnings of the Mad River and Lake Erie	
١		
1	Railroad for April were April, 1857	1
1	April, 1856	
1	Tpin, 1000 00,701	ı
1	Increase (26 per cent.)\$11,016	
1	The receipts of the Williamsport and Elmira	1
1	Railroad Company for April were	1
1	April, 1857\$29,430.17	1
1	April, 1856	1
-		1
1	Increase (90 per cent.)\$13,899.90	1
-	The earnings of the Lehigh Valley Railroad for	1
1	April were	1
Ì	April, 1857\$36,092.18	1
I	April, 1856	1
I		١,
Ì	Increase (equal to 89 per cent.)\$16,979.20	١.
	The receipts of the Lake Erie, Wabash and	
1	Western Railroad for April were as follows:	
1	Passengers \$17,872.94	1
	Freight 29,170.93	l
1	Mail 3,124.93	ľ
1	Express 1,300.00	1
	Total\$51,488.80	1
	The earnings of the Pacific Railroad for April	1
		1
1	were	1
)	April, 1857	1
)	April, 1856	-
	Increase\$36,200.25	1
•	The earnings of the Chicago, St. Paul and Fond	1
	du Lac Railroad for April were	-
1	du Lac Ivamoad for April were	1

April, 1857
Increase\$25,466.07
For the first four months of 1857 130,338.88 " 1856 39,667.72
Increase
The revenue of the Baltimore and Ohio Railroad
for April was as follows:
Main Stem. Wash'n Br. Total.
For pass'grs\$64,042.19 \$26,248.53 \$90,290.72 For freight\$64,125.58 10,532.09 374,657.67
Total\$428,167.77 \$36,780,62 \$464,948.39
The following table shows the earnings of the
road during the past month, as compared with
those of the same month last year:
Main Stem. Wash'n Br. Total. April 1856. \$512,240.35 \$39,570.93 \$551,811.28 April 1857. 428,167.77 36,780.62 464,648.35
Decrease. \$84,072.28 \$2,790.31 \$86,862.89
The earnings for the first seven months of the
fiscal year are \$3,032,647 against \$2,625,316 during
the same months of $1855-6$ .
The earnings of the Pittsburgh, Fort Wayne and
Chicago Railroad Co. for April were. \$159,107.89
Total earnings of the three companies
composing the consolidation for the same month last year
same month last year
Increase (34 per cent.) \$40,462.21
The receipts of the North Missouri Railroad for
April were
April, 1857 \$3,749.10 April, 1856 2,773.10
Increase \$976.00
The earnings of the North Pennsylvania Rail
road for April were
April, 1857
Increase\$14,396.16
For the first four months of 1857 56,398.74
" 1856 15,556.86
Increase\$40,841.89
Charleston and Savannah Railroad.
The directors of the Charleston and Savannah
Railroad Company have applied to the city coun-
cil of Charleston to transfer to them \$250,000 now
hold by the city in the stock of the Memphis and

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held by the city in the stock of the Memphis and Charleston Railroad. In support of the application, they state that the city has already subscribed \$100,000 to the Cheraw and Darlington Railroad, \$400,000 to the North-Eastern Railroad, and \$260,000 to the Charleston and Savannah Railroad,-but that further assistance is needed to complete this important link, and make it the great seaboard mail route between the North and South. Unless this is rendered, the Macon and Waventon line will be pushed forward, and so leave this road incomplete and the investments unproductive.

The means already on hand amount to \$1,273,-000—obtained as follows: 270,000 State aid..... 510,000 " endorsement bonds..... \$1,273,400 Add Provisional Ex. Memphis Stock...

\$1,523,000

The estimated cost of the whole road is \$1,787, miles per hour on the Atlantic, and 11% miles on commerce and travel between the United State make this transfer of Memphis stock.

### Ocean Routes to California.

Both political and commercial causes give great importance to the question of transit across the isthmus of Central America. Without looking to the future, more than 800,000 persons and \$81,-000,000 in treasure at the present time annually pass over this isthmus, between Atlantic and Pacific ports of the United States. The valuable public mails also use the same route. For all these, as well as for the military service of the country, greater facilities, better accommodation, quicker despatch, and cheaper rates of transportation are required, to say nothing of the demands of the Australia trade and travel, amounting annually to \$44,000,000 in treasure, and 53,000 passengers, and of \$73,000,000 of imports from England. These are immediate and pressing demands. Before long the general trade of the South American Pacific States, the Pacific Islands, and the vast and wealthy oriental kingdoms of China and Japan will require similar accommodation.

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There are at present four prominent routes between the Atlantic and Pacific to meet the requirements of a vast and increasing trade and travel .-The are the Panama, the Nicaragua, the Honduras and the Tehuantepec. We have before us a "Memoir on Ocean Routes between Atlantic and Pacific ports of the United States, by T. J. Cram, of corps of Topographical Engineers, Nov. 1856," and transmitted to Congress by the Secretary of War. We give below a full abstract of this important docu-

# I. THE PANAMA ROUTE.

A steamer leaves New York for Aspinwall semimonthly, whence passengers cross the isthmus by a railroad 49 miles long to Panama, and there take a steamer for San Francisco. 24 hours are generally consumed in crossing the Isthmus-although the cars make the trip in 3 to 5 hours. The steepest grade on the railroad is about 65 feet to the mile. Whenever the pine sleepers decay, they are renewed with lignumvitæ. The short span bridges are of iron, and the abutments, piers and culverts are of stone masonry. It is intended to extend the Pacific terminus to deep water, to obviate the necessity of loading and unloading into and from lighters. The cost of the work has been about \$7,000,000. Of the four routes, this involves the most travel between New York and San Francisco, and the greatest vicissitudes in climate—passengers going from 40° N to within 7° of the equator, and northerly again to 37° in a very short time.

Between New York and Aspinwall, the average length of trips is 2,392 miles, and the average time 101/2 days. From Aspinwall dock to Panama bay, 51 miles, average time, 1 day. From Panama to San Francisco,—average length, by log, 3,775 milesaverage time 131/2 days. Total from New York to San Francisco 6,218 miles, and 25 days. Geodical computations show that by the shortest line it is possible for a steamer to run in calm water, the distance from New York, by the east end of Cuba, to Aspinwall, is 2,263 miles, and from Panama to San Francisco, touching at Acapulco, 3,731 miles -45 miles less than the actual average distance by

The present average rate of these steamers is 91/2

647, so that a still further subscription of \$264,647 the Pacific. Whether they ought to make greater to complete the road, even if if the city should speed is a question to be decided by the demands of travel and trade. The United States mails go upon the Panama route.

### II. THE NICARAGUAN ROUTE.

The steamers from New York by this route go to Greytown, where they anchor in the river San Juan, and small steamers come alongside and take the passengers and luggage as far up the river as the rapids, where, after a short portage, another shipment is made to the outlet of Lake Nicaragua, whence a fine Lake steamer runs to Virgin Bay, where all is disembarked and transported by mules and wagons 12 miles to San Juan del Sur, where the Pacific steamer receives them, and carries them to San Francisco. The length of the transit by this route from ocean to ocean is 137 miles-70 river navigation, 55 lake do., 12 road travel The average time of transit is  $4\frac{1}{2}$  days. A railroad is needed to attain greater speed. Surveys grade for the first 70 miles would be 18 feet per mile-along the lake shore, 80 miles, - feet; from the Lake to the summit 11% miles, 16 feet; and from the summit to the Pacific coast 4 miles, 771/2 feet, which could be reduced to 60.3 feet, by increasing the length to 5 miles. Should a railroad be constructed, and the grade present no difficulty, the transit would be made in  $8\frac{1}{3}$  hours.

From New York to the mouth of the San Juan the shortest run is 2,403 miles; Isthmus, 137 miles; San Juan del Sur to San Francisco, 2,964 miles; total, 5,504 miles. This makes the Nicaragua route 714 miles less than the Panama-still the average time of making the whole journey is about the same. The southing is not so great as on the Panama route by 2°41', but there is more dangerous sickness.

### III. THE HONDURAS ROUTE.

The sea route by this line is to Port Caballo, 2, 102 miles from New York, thence across the Isthmus, through Honduras, 190 miles, to Tonseca; thence to San Francisco, 2.865 miles-a total length of 5,157 miles, and 21 days time.

From the report of the Liverpool Chamber of Commerce, it appears that a charter for a railroad was obtained from the government of Honduras in April 1855, providing that the port of Porto Caballo and Tonseca shall be free-all property in transitu free of duty, and no passports required of travellers. The State also grants 1,500,000 acres of land to the company. A population of 100,000 souls exists along the line. The probable cost of the railroad would be from \$24,000,000 to \$27,000,-000, and there is a good reason for supposing it will be built.

The southing is not so much by 3° as the Nicaragua route, and by 5° 45' as the Panama. The time of transit on this line would be lessened 4 or 5 days, and there is less change of climate than on the other routes. The harbors at each extremity are admirable.

# IV. THE TEHUANTEPEC ROUTE.

This route is from New York to the mouth of the Coatzacoalcos River; up its valley, by the town of Tehuantepec, to Port Ventosa, on the Pacific; thence to San Francisco. Capt. Cram thinks it "clearly established in points of distance, shortness of sea voyage, vicissitudes of climate, tranquility of hours in time. waters, and speed, the Tehuantepec route for the

ports has decided advantages over all others." Surveys for a railroad, making in 1851, were stopped by the Mexican Government, but President Comonfort pursues a more enlightened policy. and the work of improving the transit is now going The immediate undertaking is a wagon road from the head of navigation, 118 miles from the ocean, on the Coatzacoalcos, 118 miles to Port Ventosa. The railroad is soon to follow.

From New York to the mouth of the Coatzacoalcos is 2,275 miles—time 93/4 days. The isthmus transit, 236 miles, 23/4 days; from Ventosa to San Francisco, 2,304, 81/4 days;-total, 4,815 miles, 203/4 days. This route is shorter than the Panama by 1,403 miles, and 41/4 days time-shorter than the Honduras by 342 miles, and 1/4 day's time. Should the railroad be completed, there would be a saving of 61/4 days over the Panama route, and 21/4 over the Honduras. The harbors on both sides are good, with sufficient depth of water and safe have already been made which show that the anchorage. Lieut. Temple, U. S. N., considers Ventosa "far safer and better than either Valparaiso or Monterey."

# V. MODIFICATIONS OF THE ROUTES.

The preceding observations are based on the condition of a continuous sea run from the United States port to the isthmus transits. There is, however, (1.) a railroad across Cuba, which, if brought into connection with these waters will enable travellers to reach more readily the Atlantic termini of the various routes. (2.) The Florida Railroad intervenes in the direct route between New York and the Tehuantepec transit, and is convenient to the Honduras route. It is also on the direct line of a trade estimated in 1852 at \$325,000,000, and in 1855 at \$450,000,000, between the gulf ports and those of the middle and northern States. The shortest sea run from New York to Fernandina is 909 miles; thence by sail to Cedar Keys, 1371/2; thence to New Orleans, 437; -total, 1,513. Round Cape Florida, 1,872 miles, a saving of 359 miles by using the railroad. The harbor of Fernandina is one of the best on the Southern coast. The summing up of the advantages which Capt. Cram claims for the Tehuantepec and Florida route, we give in his own words:

"Between New York and Fernandina the average sea steamer run of many trips, both ways, would be 909 miles; requiring two days and seventeen hours.

Transit by the Florida railroad, 137½ miles, at 30 miles per hour, and allowing twelve hours for disembarking, re-embarking, and stoppages, would require 16½ hours.

Between Cedar Key and the mouth of the Coat-

zacoalcos river the average sea steamer run would be 1.047 miles, and the time three days and one and a half hour.

The Tehuantepec transit, 236 miles by river and stage road-6 miles per hour on the former and 4 on the latter-and allowing eighteen hours for disembarking, stoppages, and re-embarking would re-quire two days and eighteen hours.

Between Ventosa and San Francisco the average sea steamer run—stopping once to coal—is 2,304 miles; and the time would be eight days and six

Total distance between New York and San Francisco, 4,633 miles; and the time seventeen days and eleven hours. Hence, by using the Florida railroad in the Tehuantepec line, we should save 182 miles of that extremely dangerous navigation around Cape Florida, and save three days and seven

These results, its must be remembered, suppose

no railroad over the Tehuantepec isthmus; nor do they involve a higher rate of speed than the present practical working of the sea-going vessels pro-

pelled by steam power.

Now, let us suppose the Tehuantepec railroad in operation, and the steamers put up to the speed of a mean between what Mr. Steers proposed and what they now perform; also, an express speed on the Florida railroad, (because with it there would be competition,) but only an ordinary speed on the Tehuantepec railroad, and the times would be:

	Days.	Hours
From New York to Fernandina	. 2	4
Florida transit, (from ocean steamer	to	
ocean steamer		141
From Cedar Key to Coatzacoalcos	2	8
Tehuantepec transit, (from steamer	to	
steamer)		20
From Ventosa to San Francisco	5	4
	_	
Total from New York to San Francisco	0.11	21

By not using the Florida railroad, but in all other respects making the same supposition as above, the total time between New York and San Francisco would be twelve days and four hours.

We thus perceive there would be an average advantage of the saving of one day and two hours by using the Florida railroad. And a corresponding result would be found supposing any speed that steamships can be made to attain under any cir-

cumstances of competition.

It is, therefore, clearly proven that by the "Te-huantepec-Florida route;" in making the journey between New York and San Francisco, we avoid the dangerous navigation around Cape Florida; we have more variety; we have less sea voyage, and we can gain time, besides; and that this will be the shortest, most healthy, and less dangerous route between our Pacific ports and all those on the Atlantic north of Cedar Key; and that we may reasonably look forward to the time when the journey between New York and San Francisco will be accomplished by the traveller, and a regiment of troops transported, in eleven days two and a half hours, instead of twenty-five days, as at pre-

### Grand Trunk Railroad.

The passage of the government bill granting relief to the Grand Trunk Railway was announced by telegraph last night, by the decisive vote of 15 majority. It is an event of the greatest possible interest to the people of Maine. It is practically giving to the G. T. R. R. Co., a gratuity of fifteen millions of dollars.

The act is a brief one postponing the government lien till the stockholders and bondholders of the company are paid 6 per cent. on their investments, the interest guaranteed on the stock of the A. & St. Lawrence Railroad. being a first charge, or a prior claim to the bonds, or the stock of the Grand

Trunk Railway.

The government 6 per cent, bonds issued amount to £3,111,520, or \$15.100,775. Of this sum, £14,-496,728 is already paid in and credited by the company, leaving a further sum of \$504,047 to be

received from the government.

The entire amount expended by the G. T. R. to Dec. 31, 1856, was \$37,666,820, of which sum \$14,449,448 is paid in on share capital, and \$8, 660,648 on the company's 6 per cent. bonds, \$14,-496,728 by the Provincial bonds, postponed by the The company is authorized to issue £2,-000,000 sterling in bonds, which with the remaining capital to be paid up, will make the cost of the line and the Victoria bridge, about \$60,000,000. This is exclusive of the cost of the A. & St. L. R. R. line, amounting to \$6,368,576.

We do not see how any thing can prevent an immediate advance in the stock of the A. & St. L. R. R., a matter of interest to Portland and the whole State of Maine. - State of Maine, May 2.

The action of the Canadian Parliament has already produced its effect in advancing the shares of the Atlantic and St. Lawrence Railroad 10 per cent over the rates for the last few months.

Finances of St. Louis.

Mayor Wirner, of St. Louis, in his Message to the City Government, in relation to public affairs, gives the following statement of the finances of the

Bonded debt at the end of the last fiscal year, being the day preceding the second Monday of 

208,000-2,193,000 00 For private sewers.....

Bonded debt for general purposes.. \$2,664,996 00

From the report of the Auditor, there now stands due to the following branches of service, the subjoined sums, being amounts drawn out and applied to other objects than those chargeable to these special funds, to wit:

Wharf.....\$28,476 77 Ditto North ...... 79,830 49 Ditto South ..... 36,386 22 Private sewers..... 

The Mayor says :-

This is a deficiency in the treasury, and must be east with as such. The \$326,404 34 due to the dealt with as such. The \$326,404 34 due to the enumerated special funds is money that was set apart by the charter and ordinances to be used exclusively for the objects therein pointed out, and for none other. As far as language and legislation could effect an object, these funds were distinguished from the common revenue, and devoted entirely and sacredly to specified ends. special funds stand, however, as having been used for other objects, or rather with no money to answer the amounts which they should have at command. In this emergency it has become necessary to devote the common revenue of the present year to paying such claims, and making up such deficiency as far as was practicable, and that being insufficient, I have been compelled to resort to the sale of sewer and hospital bonds and to temporary

An exhibit from the Comptroller's report will at once satisfy you that the common revenue fund could not fully meet the demand thus made upon the city finances. I refer you to the following statement made to me by that officer:

April 13th, 1857, the commencement of the present fiscal year, there was in the

Treasury—cash......\$7,001 08 Outstanding warrants on the Treasurer. 7,861 30

Excess of warrants over cash . . . . . . . . \$860 22 May 9th, warrants drawn since the commencement of the present ....\$102,838 66

Bills in Auditor's office. 23,516 40 Work under contract in the Engineer's office, yet to

be certified to .... 158,265 23

\$284,620 29

From which deduct, as belonging to this fiscal year 40,000 00 \$244,620 29

And you have ..... ... \$245,480 51 an amount as near as I can at this time furnish you of claims actual and prospective incurred previous to, but likely to be presented for payment

during the present fiscal year. Of the indebtedness as above stated, it is proper to remark that when paid off it will go to reim-burse the special funds, in which there is as before stated the deficiency of \$326,404 34. It will only reimburse a part, however, and that part I am satisfied will not exceed \$150,000, so that the burden of more than \$400,000 will fall upon the revenue of the present fiscal year, if we are to leave no legacy of debts to our successors.

In this "deficiency," as the Mayor calls it, "there is nothing from which any inference can

be drawn of ultimate inability on the part of the city to meet demands that may come against it:" but there is need of some change of policy in regard to the manner of liquidating indebtedness. The Mayor recommends the propriety of at once exercising the power granted by an act of the last Legislature, which authorized the sale of \$230,000 of bonds to pay off the indebtedness of the city. In his opinion, this amount will not fully re-establish the equilibrium of the various special funds. and liquidate all sums that may be due for work done before the commencement of the present fis. cal year. If it shall not be sufficient, he would still further recommend that application be made to the next session of the General Assembly for authority to issue the additional amount of bonds necessary to make the revenue disposable during each year, subject only to the debts contracted and money expended in that year. Economy will never obtain in the public finances until some such method is adopted, and to establish such method it is imperative that the responsibility for disbursements should attach to those who make them, and to those alone.

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### Journal of Railroad Law.

THE TRANSPORTATION OF GOODS. MEASURE OF DAMAGES IN CASE THEY ARE NOT DELIVERED ACCORDING TO CONTRACT.

We gave last week a portion of Judge E.D. SMITH'S decision in the case of Kent v. The Hudson River Railroad Company, stating the principle of law in regard to the recovery of damages, when goods are not delivered at the time appointed, or within a reasonable time after their receipt. The same decision also presents the law regulating the amount of damages recoverable in such cases. An abstract of this will be found below. It states the rule of law upon this subject in a clear and practical manner.

The difference between the contract price and the market value at the time and place of delivery is the measure of damages in all cases of sale of merchantable commodities between vender and vendee; except that the carrier is entitled to deliver, and the owner is bound to receive, the property, after the time fixed for the delivery by the contract, or the reasonable time necessarily employed in its transportation in the absence of any express contract. The analogy and the reason of the rule is perfect as between the carrier and the owner-as between the vender and vendee.

And the rule was practically so applied in Smith vs. Griffith, (3 Hill, 833.) This was an action on the case against the carrier, for damages arising from the delivery of mulberry trees, or seedlings.

The trees were delivered to the defendant at Troy, April 22, 1839, for transportation to Lyons, Wayne County. After delivery, they were allowed to remain at Troy till the 24th day of May following, and were then forwarded to and received by the plaintiff about the first of June afterwards, when they were found to be considerably damaged. The question was what damages the plaintiff was entitled to recover. Considerable conflicting testimony was given at the Circuit in regard to the market value of the trees at the time of the injury, and the plaintiff had a verdict of \$12 50.

The defendant on the trial sought to mitigate damages, by showing that subsequent experience had shown that the trees were of little or no ittrinsic value at the time of the injury, and that the

prices at which they were held and sold in the the rule of damages, when the goods were not de market at the time of the injury, were fictitious and inflated. Speaking of this evidence, on the motion for a new trial, Judge Nelson says: "All this evidence, I am of opinion, was properly rejected as having no legitimate bearing upon the question. The damages to which the plaintiff is entitled, if any, should afford an adequate indemnity for the loss sustained at the time the injury happened, and the admission or rejection of evidence should be regulated with a view to produce this result in the opinion of the jury. If the goods are wholly lost or destroyed, the owner is entitled to their full worth at the time of such loss or destruction. In trover, the measure of damages is the value of the goods at the time and place of conversion, with interest, and perhaps at any time between that and the trial. (14 John., 128; 3 Cowen. 82.) And, upon the same principle, if redress for the qualified damage, the measure should be in that proportion. Assuming that there is no defect in the quality, the fair test of its value, and consequently of the loss to the owner, is the price at the time in the market." This case, in its facts and in the principle upon which it is decided, is quite in point in confirmation of the charge of Judge STRONG, at the circuit, in the present case. The damages for which the carrier was held liable, resulted from the delay of the carrier in the delivery of the trees within a reasonable time after their receipt. It was not a case of contract. The measure of damages was the deterioration of the property between the time when it should have been delivered, and the period of its actual delivery, with reference to the market value when it should have been delivered. The owner received the property, as he was clearly bound to do. (6 Hill, 588; 2 Kernan, 509; Parsons on Contracts, 659.) Delay in the delivery is not a conversion by the carrier. (Idem.)

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If the loss from the deterioration of the property in its market value, between the time when it should be delivered and the time of the actual delivery, be the true measure of damages when there is a partial injury to the property, it must be the true measure of indemnity where there is unreasonable delay in the delivery. I can conceive of no reason for a distinction between the cases. It is the loss which the party suffers from the breach of duty or breach of contract of the carrier. The carrier is in fault for his negligence or failure to perform his contract, and the owner suffers loss. This is the adequate indemnity for the loss sustained, spoken of by Judge Nelson. The failure to deliver in a reasonable time may fitly, for the purpose of damages, be deemed a partial conversion at that time, and for the time being. To the extent of the loss or injury, it is a practical conversion from that time till the period of delivery. The owner is bound to receive property when delivered, but if it is then depreciated in value of the market, there can be no other rule than that the carrier must make up the loss. The case of Scovill v. Griffith, (2 Kernan, 509,) it seems to me, virtually affirms the same view of the question of damages. This action was against the carrier, claiming to recover the value of several boxes of merchandise, in consequence of the unreasonable delay of the carrier delivering them. At the trial before Justice Edwards, the jury was charged that

livered within a reasonable time, as was this case, "would be the difference between the highest market price of the goods when or after they should have been delivered, and the time when they were actually tendered, and the expense the plaintiffs were put to by the delay." To this portion of the charge there was no exception. In the opinion of Judge Hand, in the Court of Appeals, he says, speaking of the delay in the delivery of the goods. "This was inexcusable, and undoubtedly entitled the plaintiffs to all real damages sustained by them which were the natural consequences of the neglect;" and he says, "When there has been deterioration and loss, the carrier is liable. (6 Bing., 716; Ellis v. Fres.; 8 John., 531; Story on Bailments, 588.) In the opinion of Judge Gardiner, he refers to the charge of the Judge in regard to the damages, in the way of apgoods are partially injured, and the party seeks proval, and also in another part of his opinion he says: "When there is an omission to deliver property in a reasonable time, the owner is entitled to a full indemnity, and refers to the market value as one of the circumstances entering into the element of damages." No doubt seems to have been suggested in this case but that the charge of the Judge at the circuit on this point, was right. The law in such cases as the present, casts upon the carrier the loss arising from depreciation of the property, while the same remains in his hands after it should have been delivered. The principle which measures damages at common law, is that of giving compensation for the injury sustained—a compensation which shall put the injured party in the same position he would have stood in had he not been injured. (2 Parsons on Con., 432. Co. Litt., 257.) Now within the principle here stated, of giving a compensation for the injury sustained -a compensation which shall put the injured party in the same position in which he would have stood had he not been injured-what other rule can be applied to make him whole and indemnified for the defendants' breach of duty or default, but to hold him to make good the loss from the depreciation of the property from the time it should have been delivered, till it was delivered? This is a simple, plain rule, easily applied, and the only one which will afford a full indemnity.

# New Brunswick and Canada Railway AND LAND COMPANY.

COMPANY'S OFFICE,
St. Andrews, New Brunswick,
April 16th, 1857.

TENDERS FOR GRADING A FURTHER DISTANCE
OF TWEPTY MILES, under the above Company, commencing at the termination of the present works on the 40th mile, near Tobique Guzzle, and extending to at or near Deer Lake, will be received at these offices till MONDAY THE 187
DAY OF JUNE next. The distance will be divided into lengths or districts of 5 miles each, and the Tenders may be made for one or more of such districts.

Also at same time and place:—

Also at same time and place:—
TENDERS FOR THE ERECTION, AT THE

# ST. ANDREWS STATION,

BRICK AND STONE ENGINE HOUSE.

TO CONTAIN SEVEN LOCOMOTIVES.

The building will be 130 feet diameter, and 40 feet high to centre of dome.

SECTIONS AND PLAN OF THE LINE, and detailed drawings of the ENGINE HOUSE may be seen at the Engineer's Office in St. Andrewa, where full particulars of specification, and terms of contract will be given; and where forms of Tender may also be obtained.

JULIUS THOMPSON,

Manager.

# Notice to Contractors.

# **等級論論等等**

ENGINEER'S OFFICE OF THE RUDSON RIVER BRIDGE CO at Abans, May 18th, 1857.

SEALED proposals will be received by the undersigned, at the Engineer's Office, in the Exchange Building in the City of Abany, until the tenth day of June next, for constructing the substructure, consisting of Abutments, Piers, Embankments, etc., etc., for the HUDSON RIVER BRIDGE AT ALBANY.

ALBANY.

The Company reserve the right to accept or reject any proposal, without regard to the terms. Satisfactory references must accompany the bids. Competent security for the fuintment of the contract and payment of isborer's wages, will be required on entering into contract.

The work is of sufficient importance to deserve the attention of responsible contractors, and proposals from no others will be entertained.

of responsible contractors, and yave be entertained.

Plans and specifications of the work, will be ready for in spection, on and after the 25th inst, at this office, when full information will be given.

By order of the Board,

GEO E. GRAY,

Chief Engineer.

# GOVERNMENT CONTRACTS.

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Notice to Contractors.

SEALED Tenders will be received at the Railway Commissioners' Office, in this city, until Tuesday, 30th June next, at noon, for the Grading and Masonry of that portion of the Railway, between the Nine Mile House and Hampton, including the Viaduct over Hammond River, a distance of about

Ing the Viaduct over Hammond River, a distance of about twelve miles.

The character of this work is very heavy, comprising a large amount of Rock Excavation, as well as Bridge Masoury.

Proposals for the above work may be made in sections, or for the whole distance. The Commissioners reserving the right of adopting whichever mode may appear the most advantageous, and of rejecting any tender not deemed satisfactory.

vantageous, and of rejecting any tenuer not seemed tory.

Tenders must be accompanied with names of responsible persons willing to become security for the performance of the contract, or other satisfactory evidence of competency to perform the work.

Plans, Specifications, and Forms of Tender and Contract may be seen, and all other information obtained at the Engineer's Office, in Wiggin's Buildings, on and after 10th June next.

Chairman of Railway Board.

BAILWAY COMMISSIONERS' OFFICE, \$

St. John, N. B., 9th May, 1857.

OFFICE OF THE MILWAUREE AND BELOIT B. E. CO.

Mitronice, May 16, 1857.

NOTICE is hereby given that the INTEREST COUPONS
due on the first day of JUNE next on the Bonds of the
City of Milwaukee issued to aid in the construction of the
Milwaukee and Beloit Baiload, also the Interest Coupons due
at the same time on the Real Estate Mortgage Bonds of this
Company will be paid a the office of the Farmer's Loan and
Trust Company in the city of New York.

A. C. BABCOCK, Secretary

# \$300,000

7 & 8 PER CENT. BONDS

CITIES OF MADISON AND WATERTOWN, WIS., FOR SALE.

office of the waterrown and madison E. R. co & Ao. 39% Exchange Place.

This road completes a direct and nearly an air time between milwaukee and Madison, the capital of Wisconsin. It is 34 miles in length, connecting at Waterrown with the "Water-town Division" of the La Crose and Milwaukee Balroad, with which it has a contract for a very favorable running connection for 80 years.

town Division of the La Crosse and Milwaukee Railroad, with which it has a contract for a very favorable running connection for 80 years.

By this road the distance between Milwaukee and Madlson is twenty-three miles shorter than by the Milwaukee and Mississippi Railroad.

This road passes through a good agricultural and highly improved country. MADISON and WATERTOWN are two of the most beautiful and thriving cities in the State, being, in point of population, business and wealth, second only to Milwaukee. The City of Madison has loaned her credit to this road to the amount of \$100,000, and issued Twenty-year Sever per cent. Coupon Bonds for the same, with semi-sunual interest payable in the City of New York.

The City of Watertown has subscribed to the capital stock of the road \$200,000, and issued in payment therefor Twenty-year Eight per cent. Coupon Bonds, with semi-annual interest, payable in the City of New York.

The Township of Waterloo (Jeff Co.) has subscribed \$35,000, and issued in payment Twenty-year Eight per cent. Coupon Bonds, with interest payable annually in City of New York.

The Company offers these Bonds for sale at their office, 20% ETORANGS PLACE, together with a large amount of Eight per cent. Farm Mortgage Coupon Bonds, guaranteed by the Company.

Further information in regard to the road may be had at the office of the Company.

H. K. LAWERNOR.

# Notice to Contractors.

OFFICE OF WELLES & O.,

Contractors Brooklyn City Water Works.

363 Fulton st., Brooklyn, N. Y.

May 7, 1867.

SEALED proposals will be received at this office until noon
of Saturday, June 6, 1857, for the construction of the
canal line, cleaning three ponds, and such other work as is necessary for the completion of the whole of these works. The
amount of work to be let is very large.

Plans and Specifications of all the work will be ready at
the office of the Engineer and our office on and after MAY 30,
1867.

H. S WELLES & CO.

# PEORIA & HANNIBAL R. R. Notice to Contractors.

CHIEF ENGINEER'S OFFICE, P. & H. R. R. Go., 
Peoria, Illinois, April 20th, 1857.

CEALED Proposals will be received by the undersigned until WEDNESDAY the TENTH day of JUNE next; for
the Clearing, Grubbing, fraduation, Bridging, Cross Ties and
full completion, including the Iron and Station buildings of the
Second, Third and Fourth Divisions of the

PEORIA & HANNIBAL RAILROAD,

from the West line of Peoria County, to Rushville, Schuyler County, a distance of about fifty-five miles. Divided as follows: 2nd Division, from West line of Peoria County, to Spoon River, about 27 miles.

3rd Division, from Spoon River, to North line of Schuyler County, about 16 miles.

4th Division, from North line of Schuyler, to Rushville, about 12 miles.

Bids will be received and preferred in the following order:

1st. For the full completion of the whole, including the Iron and Station buildings, 2nd. For the whole Four Divisions fitted ready for the Iron,

and. For one or more Divisions fitted ready for the Iron, in-landing Cross Ties.

dth. For one or more Sections of about two miles each. Bids in all cases specifying whether by the mile or by the

Bids in all cases specially expected and bid not satisfactory.

The right being reserved to reject any bid not satisfactory.

A reasonable time given, graduated by the amount of the

contract.

The Company confidently rely upon a local subscription, ample to fit the road bed ready for the Iron, about half of which will be cash in monthly payments, the other half in County Bonds at 7 and 8 per cent. interest, payable in New York.

All necessary information given at the Engineer's Office, any time before the letting.

The country is well developed, undulating and healthy. The work is diversified with light and heavy points, on the whole about the average of Illinois roads.

5119

W. G. WHEATON, Chief Engineer.

# BUSINESS CARDS.

A. C. ROBERTSON.

S. B. LOWE

ST. LOUIS STEAM FORGE AND IRON WORKS, Cor. Main and Cedar Sts.,

ST. LOUIS, MO. Robertson & Lowe.

PROPRIETORS. H. AMES, JR., Superintendent.

Manufacturers of Railroad Work,

Car Axles, Cranks, Connecting Rods, Frames, Pedestals,

AND EVERY DESCRIPTION OF LOCOMOTIVE FORGINGS.

STEAMBOAT WORK.

Shafts, Beam Straps, Crossheads. Also, Sugar Mill Shafts, Tobacco Screws, and every variety of FORGINGS FOR MACHINISTS' USE.

All Work manufactured from the best quality of Iron and warranted.

THE GLASGOW PRACTICAL MECHANIC'S JOURNAL.

THE undersigned by a special arrangement having become the agents for the "MECHANIO"S JOURNAL" for the United States, beg to inform the Public and the Trade that they will be prepared to furnish the same hereafter at a con-

TERMS-83 PER ANNUM IN ADVANCE. Volumes I., II., III., IV., V., VI., VII. and VIII. may also be had, bound in cloth. Price each, \$3.75.

WILEY & HALSTED, 351 Broadway, N. Y.

W. & H.'s NEW CATALOGUE OF ENGINEER-ING AND ARCHITECTURAL BOOKS will be for-warded gratis to all who desire it. 3t19b6w

# RAILROAD SUPPLIES. WILLIAMS & PAGE.

No. 44 Water, between Congress and Kilby Streets,

Boston, Mass.

Iron Rails, Chairs, & Spikes, FREIGHT AND COAL CARS,

(on hand or made at short notice,)

Wheels and Axles of all kinds, LOWMOOR, AMES', BOWLING, AND NASHUA TIRES, IRON AND STEEL,

Of all kinds for Shops and Tracks, Car Trimmings, Paints, Oil, Varnish, Car and Switch Locks, Ventilators, Lanterns, Head-Lights, Gauges, Rubber Springs, aChirs, Hose and Belting, Ash, Pine and other Timber, and ALL MATERIALS USED in Equipment and Repairs of Railroads, Engines and Cars, at lowest prices.

THOS. S. WILLIAMS. PHILIP S. PAGE Late Sup't Boston & Me. R. R. Late PAGE, ALDEN & Co. REFERENCES.

JAMES HAYWARD, President Boston and Maine R. R. Copt. Wm. H. Swift, Boston. Lawrence, Stone & Co., do. Lawrence, Stone & Co., do. B. S. Chesseduch, Chicago. S. M. Felton, Pres't Phila., W. & B. R. R.

F.W. Rhinelander, James A. Boorman, Edwin A. Post, RHINELANDER, BOORMAN & CO., RAILWAY AGENTS

COMMISSION MERCHANTS

SUPPLY ALL MATERIAL AND ARTICLES USED IN THE CONSTRUCTION AND OPERATING OF RAILWAYS BANK OF COMMERCE BUILDING, NEW YORK.

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Sam'l Sloan, Esq., President Hudson River Railroad Co.
James Boorman, Esq., Messrs, Stilman, Allen & Co.
Messrs, Cooper & Hewitt, Messrs, Duncan, Sherman & Co.

CARD.

THE DETROIT CAR COMPANY are prepared to take contracts for building Railroad Cars of all descriptions upon short notice, and, as they propose to use no material that has not proven itself the very best, they feel assured that in the character of their work they can offer strong inducements to Railroad Companies to give their cars a trial, Sm12 Address ROBINSON, RUSSEL & CO.

GENERAL

RAILWAY SUPPLY AGENCY

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A RE prepared to contract for the construction and equipment of railroads in any part of the country; also to furnish corps of Engineers and Contractors; Locomotive Engines and Cars; Railroad Iron, Chairs, Spikes, [Switch-irons,

kc., &c. They will also sell or negotiate loans on all kinds of Railroad

ecurities.

SETHOUR, MORTON & CO. have to dispose of at private sale, in amounts to suit persons desirous of investing a large amount of valuable Railroad and other Securities.

The members of the firm having had a large experience as Civil Engineers, on some of the most important public works in this country, also tender their services as Consulting Engineers to these engaged in the construction of Railroads.

Railroad Iron Via Quebec. JOHN ANDERSON & CO.

COMMISSION MERCHANTS, SHIPPING AGENTS AND BROKERS, Quebec and Montreal.

PARTICULAR attention given to the Transhipment of Iron &c., in Transitu for the Western Lake Ports and to the Shipment of Rails in Great Britain.

Quebec, Dec. 3 1858.

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# H. MEIGS, JR., & SMITH,

No. 39 WILLIAM STREET, (Next Building below Wall St.,)

Stock, Bond and General Exchange Brokers.

THE undersigned have formed a copartnership under the above name and firm, for the purchase and sale on commission of Stocks, Bonds and Mercantile Paper, and for the negotiation of Loans.

Their long experience enables them to promise, that orders entrusted to them will be satisfactorily fulfilled.

HENRY MEIGS, JR,
Late Cashler Metropolitan Bank,
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WM. ALEX. SMITH,
NEW YORK, 1st April, 1857.

# H. H. GOODMAN & CO., No. 7 WALL ST., NEW YORK,

Dealers in Railway, City, County, and State

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RAILS, LOCOMOTIVES, &c.
We have on hand and for sale, of County Bonds—

Hardin County (Ky), 6 per ets. Davidson C'ty (Tenn.), 6 p.cts
Davidson C'ty (Tenn.), 6 p.cts
Iowa County (Wis.), 8 per ets.
Mineral Point do. do. Also a variety of CITY, COUNTY, and RAILWAY SECURITIES in smaller lots.

April 30th, 1856.

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# **HEWSON & HOLMES,**

AUCTIONEERS AND STOCK BROKERS, Have regular sales of Stocks, Bonds, and other Securities

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SPECIAL SALES OR MONDAY, TUESDAY, THURSDAY, AND FRIDAY. OFFICES-Nos. 83 and 85 Walnut street, Where they offer at private sale

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State, County, City and Railroad BONDS and STOCES. LOANS, NOTES, BILLS OF EXCHANGE.

DIVIDENDS, LEGACIES, DEBTS, &c. REFERENCE - Ohio Life Insurance & Trust Company Bank

CINCINNATI STOCK EXCHANGE.

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Stock Brokers and Railroad Agents, NO. 83 WEST THIRD STREET,

CINCINNATI, OHIO.

Railroads Stocks, Bonds, &c., bought and sold on commission Regular sales at public auction at the Mercharts' Exchase.

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WILL give prompt attention to the purchase and sale of STOCKS, BONDS, &c., strictly on commission. Orders respectfully solicited.
OHAS. A. MEIGS, late Cashier Am. Ex. Bank.
A. W. GREENLEAF, late of No. 2 Wall st.
REFFRENCES: American Exchange Bank, Bank of the Republic, Metropolitan Bank, Merchants' Bank.

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# DRAKE & CARTER.

49 Merchants' Exchange, Wall Street.

THE subscribers have formed a Co-Partnership under the name of DRAKE & CARTER, for the purpose of continuing the business of Buying and Selling Stocks and Bonds, Loaning Money on Stocks and other Securities, making Collections, &c.

lections, &c.

The general-partners of the concern will be James M. Drake and Galen A. Carter. Edward B. Little Esq. has contributed Fifty Thousand Dellars as special partner.

D. & C. will occupy the Offices No. 49 Merchants' Excended, (entrance on Wall St.)

JAMES M. DRAKE. GALEN A. CARTER.

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# ENGINEERING WORKS.

# LYONS' TABLES.

To Civil Engineers and Contractors.

JUST PUBLISHED—A set of Tables for finding, at a giance, J the true cubical content of Excavation and Embankments for all Bases, and for every variety of Ground and Side Slopes. By M. E. LYONS, Associate Engineer, Lebanon Valley R. R.

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11.	66	18	66	*		24.	66	32	66	14	to 1
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The Tables are printed in clear, bold type on tinted paper-sheets 25x16 inches. They may be used by candle-light without injuring the eye-sight. Each sheet is complete in itself, and embraces all that is wanted in connection with the Base of Slope designated, whether on level or side hill cross section.

Sold in separate sheets, at 25c. each, or the whole hand-somely bound in cloth in one volume for \$7.50, by JOSEPH HUFTY, 139 Chestnat st., Phila.; WM. MINIFIM, Baltimore, Mc.: ERWHISTLE & SON, Alexandria, Va.; MCCLEAR & Co., To ronto, C. W.; also

For sale at the office of this paper.

# ENGINEER'S FIELD BOOK

By C. S. CROSS, Civil Engineer.

THIS work is designed as a pocket companion, and embrace all the necessary tables for prosecuting railroad surveys in the most compact form.

in the most compact form.

It is subdivided as follows:

Ist. The method of staking out railroad curves and keeping field notes.

2d. Railroad curve tables for expeditiously determining the points at which commences the curving.

3d. Application of the Prismoidal formula in determining the quantities of excavation and embankment of canals and railroads from transverse sections.

4th. Excavation and embankment tables for expeditiously termining the cubic yards from mean area.

It is a plain, clear and most valuable book for practical Raroad Engineers.

road Engineers.
For sale at this office. Price \$1.

# ENGINEERS.

# Consulting Engineer.

The undersigned may be consulted upon the location, construction, equipment, and management of railroads in any part of the United States or Canada, and upon the most approved modes of constructing heavy masonry for bridges and the superstructure thereof, whether of wood or iron.

Also upon the best form of rail, and of laying down and maintaining a permanent railway, and in general upon all subjects properly connected with Civil Engineering in its highest branches, and in its most difficult application.

A long and intim te connection with the construction and management of our most important American railroads, and a personal knowledge of those in Europe, should render the undersigned competent to give such advice or make such suggestions, as will enable railroad companies to avoid errors of location, construction and management which are more or less inseparable from all new enterprises in our country.

Engineers of highest character and professional attainment, and competent Superintendents can be recommended or supplied to railroad companies for immediate service on surveys and construction and on management.

ISAAO R. TRIMBLE.

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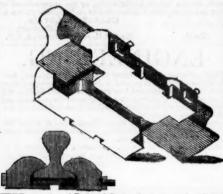
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miles long, commencing at the City of Indianapolis, the capital of the State of Indians, and terminating at the Ohio State liae near Richmond, Indians, connecting with the Dayron and Western Railway.

This road is one of great importance; is in excellent order, and doing a large and profitable business. The Company also operates the Dayton and Western road, 86%, miles—the whole line 109 miles long. The earnings of the two lines for 1854, were \$321,400; for 1855, \$350,160, and for 1856, \$434,004-each year showing a large increase over the preceding one, and the last year \$112,604 over that of 1854; and the menth of January, 1857, shows an increase of \$3,208 over the same month in 1856.

The working expensos of the line for the past year have been less than 34 per cent. of the gross earnings; and the whole expenses, including repairs of track, depots, bridges, wood houses, etc., etc., and including considerabe expenses properly in construction, such as covering and weather-boarding bridges, building additional depots, water stations, filling up depot grounds, ballasting, etc., are less than 43 per cent. of the gross earnings. These facts will appear by the company's report for 1856, which may be had at our office.

This Company operates the entire line between Indianapois and Dayton, each Company 12 per cent.

This line connects at Richmond directly with Cincinnati, and at Dayton with Columbus, Ballumore, Philadelphia and New York, and also with the Lakes; and on the completion of the Pittsburg and Steubenville road, it will be the shortest lone between New York, Indianapolis and St. Louis.

An inspection of the map will show that this is a pari of the great railway line from New York and Philadelphia by Pittburg, Columbus and Dayton, Ohio, and Indianapolis and Terre Haute, Indiana, to St. Louis.

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the passenger earnings of the road are very large, (\$302,185, out of a total amount of \$484,000 for 1853), and increasing greatly.

The entire cost of the road is about \$2,100,000.

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NEW YORK, Feb'y 16, 1857.

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